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## SOME EXPERIMENTS ON THE ANTIGENIC PRINCIPLES OF RAGWEED POLLEN EXTRACT (*AMEROSIA ELATIOR* AND *AMBROSIA TRIFIDA*).

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In view of the differences in opinion regarding the possibility of rendering laboratory animals hypersensitive to the protein of ragweed pollen, some experiments to determine this point were undertaken in the course of our efforts to establish an official standard for pollen extracts.

Coca (1) did not find pollen extracts to be antigenic and suggested placing human hypersensitiveness to pollens in a class distinct from general protein hypersensitiveness.

Parker (2), using the Schultz-Dale method, was able to demonstrate hypersensitiveness in the horn of the isolated uterus from a giant-sensitive guinea pig, using *giant* ragweed extract and mixed *giant* and *short* ragweed extract as exciting agents, the latter prepared in a different laboratory.

Alexander (3) has shown conclusively that guinea pigs may be rendered sensitive to the pollen extract of rye pollen (*Secale cereale*).

The pollen extracts used in the experiments herein reported were made as follows:

The glycerin extract was made in the proportion of 1 gm. of mature *giant* ragweed pollen to 100 c. c. of extractive fluid composed of 66½ per cent glycerin and 33½ per cent of a solution containing 2.5 gm. sodium chloride and 2.7 gm. sodium bicarbonate to 1,000 c. c. distilled water. More concentrated extracts were made by extracting 1 gm. of pollen, *giant* or *short*, in 10 c. c. or 20 c. c. of the saline solution, which forms 33½ per cent of the extractive described above. The pollen in each case was extracted with occasional shaking for seven days at room temperature and filtered through a Berkefeld filter. As a preservative in saline extracts when glycerin was omitted, 0.5 per cent phenol was used. The pollens were collected in the city of Washington.

Experiments on eight guinea pigs are included in this report, these animals being selected from a number of typical examples. Guinea

pigs Nos. 1, 2, and 3 were sensitized by injection intraperitoneally with 1 c. c. *giant* ragweed glycerin extract, 1:100, diluted 5 times with physiological salt solution. Injections were made every second day, with slight variations, beginning on June 12, 1923, and continuing until August 1, 1923. Twenty-three c. c. of the 1:100 extract were given during this period (protocol, Table 1).

TABLE 1.—*Sixty-six and two-thirds per cent glycerin pollen extract (giant) 1:100—Intraperitoneal injections.*

Guinea pigs Nos. 1, 2, and 3 given 1 c. c. of extract on the following dates—June 12 (1923), 14, 16, 18, 20, 22, 24, 26, 28, 30, July 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 27, August 1.

Guinea pig No. 1: December 27, 1923, 1 c. c. *giant* ragweed extract 1:10 given intravenously, followed in 30 seconds by symptoms, and death in 3 minutes.

Guinea pig No. 2: December 28, 1923, given 0.75 c. c. *short* ragweed extract 1:10 intravenously, followed by symptoms in 1 minute, and death in 5 minutes.

Guinea pig No. 3: December 27, 1923, given 1 c. c. *giant* ragweed extract 1:10 intravenously, followed by symptoms (marked) in 2 minutes. Recovery. December 28, 1923, given 1 c. c. *giant* ragweed extract 1:10 intravenously. No symptoms. December 23, 1923, given 0.5 c. c. *short* ragweed extract 1:10 intravenously. No symptoms. January 22, 1924, given 0.5 c. c. *giant* ragweed extract 1:10 intravenously. Marked symptoms in 2 minutes. Recovery. February 14, 1924, given 0.7 c. c. *short* ragweed extract intravenously. Symptoms marked in 2 minutes. Recovery.

On December 27, 1923, guinea pig No. 1 was shocked by injecting intravenously 1 c. c. of *giant* ragweed extract 1:10. Typical anaphylactic symptoms (coughing, rubbing of nose) appeared in 30 seconds, rapidly proceeding to convulsive seizures with death in 3 minutes.

On December 28, 1923, guinea pig No. 2 was shocked by injecting intravenously 0.75 c. c. *short* ragweed extract 1:10. Typical symptoms of anaphylaxis were manifested in 1 minute, with convulsions and death in 5 minutes.

On December 27, 1923, guinea pig No. 3 was shocked with 1 c. c. *giant* ragweed extract 1:10 intravenously, followed in 2 minutes by coughing, rubbing of nose, and difficult breathing. At the end of 10 minutes the pig was huddled in a corner of the cage, the coat was rough, breathing was difficult, and 15 pellets of feces had been expelled during this period. On the day following, December 28, 1923, the same shocking dose of *giant* extract was repeated followed by no symptoms; 0.5 c. c. *short* ragweed extract 1:10 was then given, with no symptoms. On January 22, 1924, 0.5 c. c. *giant* ragweed extract 1:10, and on February 14, 1924, 0.7 c. c. *short* ragweed extract 1:10 were given, both injections being followed by the same symptoms of anaphylaxis as those observed on December 27, 1923.

Guinea pig No. 4 was sensitized by intraperitoneal injections of *giant* ragweed extract 1:10. This concentrated extract was injected in doses of 2 c. c. on December 19 and 24, 1923 (protocol, Table 2). On February 21, 1924, 0.25 c. c. of the same extract was given intravenously, followed by typical anaphylactic symptoms in 30 seconds and death in 5 minutes.

TABLE 2.—*Saline extract giant ragweed pollen 1:10, 0.5 per cent phenol preservative. Intraperitoneal injections.*

Guinea pig.	Date and amount.		
	Dec. 19, 1923.	Dec. 24, 1923.	
No. 4.....	2 c. c.....	2 c. c.....	Feb. 21, 1924, 0.25 <i>giant</i> ragweed extract 1:10 intravenously, followed by symptoms in 30 seconds and death in 5 minutes.

*Saline extract short ragweed pollen 1:10, 0.5 per cent phenol preservative. Intraperitoneal injections.*

No. 5.....	2 c. c.....	2 c. c.....	Jan. 22, 1924, <i>short</i> ragweed extract 1:10, 0.5 c. c. intravenously, followed by marked symptoms; recovery. Feb. 21, 1924, same dose as on Jan. 22, moderately severe symptoms in 1 minute; recovery. Apr. 22, 1924, <i>giant</i> ragweed extract 1:10, 1 c. c. intravenously; marked symptoms in 1 minute; recovery.
No. 6.....	2 c. c.....	2 c. c.....	Mar. 10, 1923, 0.5 c. c. <i>giant</i> ragweed extract 1:10, intravenously. Severe symptoms in 2 minutes; coughing, rubbing of nose, rough coat; recovery.
No. 7.....	2 c. c.....	None.....	Apr. 24, 1924, <i>short</i> ragweed extract 1:10, 0.05 c. c. intravenously. Severe symptoms in 30 seconds, with recovery. Apr. 26, 1924, <i>giant</i> ragweed extract 1:10, 0.2 c. c. intravenously. No symptoms.

Guinea pig No. 5 was sensitized by intraperitoneal injections of *short* ragweed extract 1:10 in doses of 2 c. c. on December 19 and 24, 1923 (protocol, Table 2). On January 22, 1924, 0.5 c. c. of the same extract was given intravenously, followed by marked symptoms, with recovery. On February 21, 1924, the same dose was repeated, and on April 22, 1924, 1 c. c. *giant* extract 1:10 was given. The last two injections were both followed by marked symptoms in 1 minute with recovery.

Guinea pig No. 6 was sensitized with *short* ragweed extract in the same manner as No. 5 (protocol, Table 2), and on March 10, 1924, was injected intravenously with 0.5 c. c. *giant* extract 1:10 followed by severe symptoms of anaphylaxis in 2 minutes with recovery.

Guinea pig No. 7 was sensitized with a single intraperitoneal injection on December 19, 1923, of 2 c. c. of *short* ragweed extract 1:10 (protocol, Table 2). On April 24, 1924, 0.05 c. c. of the same extract was injected intravenously followed in 30 seconds by severe symptoms with recovery. Two days later, on April 26, 1924, *giant* extract 1:10, 0.2 c. c. was injected intravenously with no symptoms resulting.

No symptoms were observed in nonsensitive pigs when twice the maximum dose used above was injected.

TABLE 3.—*Sixty-six and two-thirds per cent glycerin pollen extract (giant) 1:100; intraperitoneal injections.*

Guinea pig.	Date and amount of injection (c. c.).													
	Feb. 7, 1924.	Feb. 9, 1924.	Feb. 11, 1924.	Feb. 13, 1924.	Feb. 15, 1924.	Feb. 18, 1924.	Feb. 20, 1924.	Feb. 23, 1924.	Feb. 25, 1924.	Feb. 27, 1924.	Feb. 29, 1924.	Mar. 3, 1924.	Mar. 5, 1924.	
No. 8.....	0.01	0.02	0.04	0.08	0.16	0.25	0.4	1.0	2.0	3.0	4.0	4.0	4.0	Apr. 19, 1924, pig killed and uterus removed to Locke's solution. Figures 1 and 2 represent the kymograph tracings made by adding 0.5 c. c. <i>giant</i> and <i>short</i> extracts 1:20 to bath in which horns of uterus were suspended. Bath contained 100 c. c. Locke's solution at 37° C.

Autopsies were done on all pigs which died following shocking and in each instance the typical lesions of anaphylactic death were observed, viz, inflated lungs and capillary injection of viscera without other apparent cause of death.

Guinea pig No. 8 was sensitized with *giant* ragweed extract prepared as was that for pigs 1, 2, and 3. The injections varied, however, in that the first dose on February 7, 1924, was 1/100 c. c. Intraperitoneal injections were made every second day, with slight variations, and the dose was doubled each time until 2 c. c. were given on February 25. Three c. c. were given on the 27th, 4 c. c. on the 29th, and 4 c. c. on March 3 and 5, respectively (protocol, Table 3). On April 19, 1924, this pig was killed and the uterus removed to Locke's solution. One horn was attached to the lever of a kymograph and suspended in 100 c. c. Locke's solution at 37° C. through which oxygen bubbled constantly. After the base line was reached, the drum was started to rotate and 0.5 c. c. of the extractive fluid as a control was added to the bath. This was followed by 0.5 c. c. *giant* ragweed extract 1:20, which gave a marked contraction. This dose of *giant* extract was repeated and followed by the same amount of *short* ragweed extract. Neither of the latter was followed by a muscular reaction. Figure 1 represents the kymograph tracing obtained by this experiment.

The remaining horn was mounted in the same manner and 0.5 c. c. extractive fluid added to the bath, followed by 0.5 c. c. *short* ragweed extract 1:20. An immediate muscular contraction was obtained. This dose of short extract was repeated, followed by the same amount of *giant* extract. No response followed the two latter additions to the bath. To determine whether the contractile power of the uterine muscle was exhausted, a dose of pituitary extract was added, which gave rise to a marked contraction. Figure 2 represents the kymograph tracing obtained by this experiment.

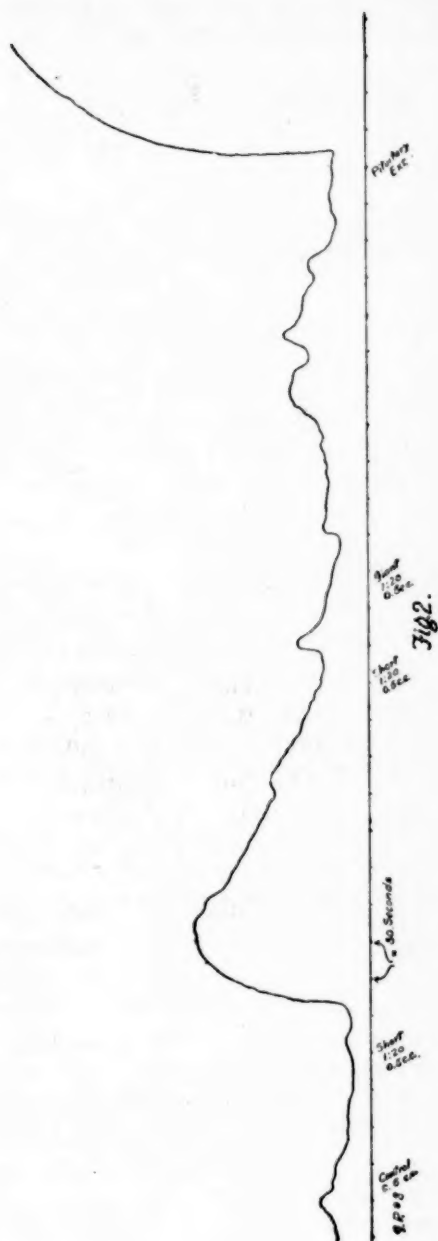
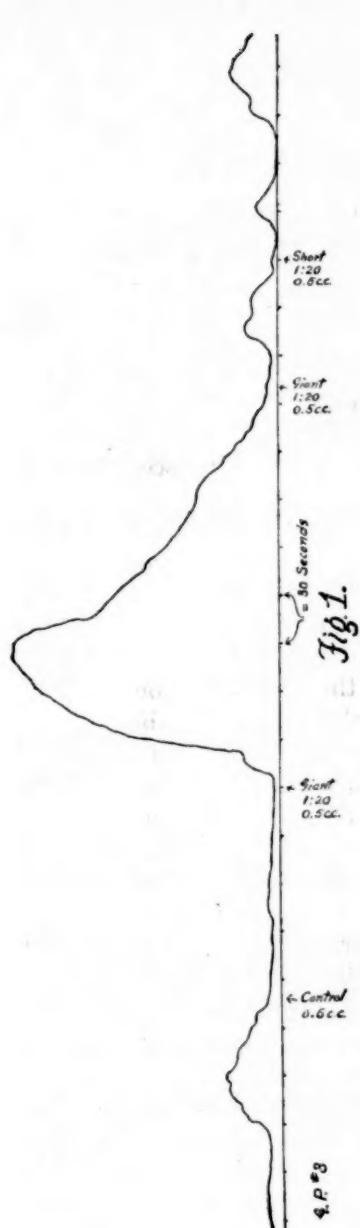
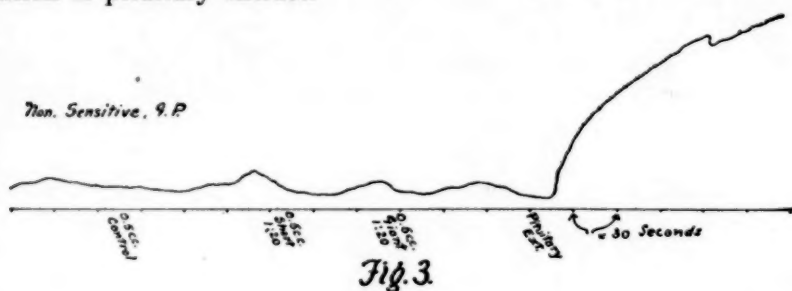


Figure 3 represents a tracing made by suspending the horn of the uterus from a nonsensitive pig, and making the same additions to the bath, the only contraction shown being that following the addition of pituitary extract.



*Fig. 3*

#### SUMMARY.

The results of experiments with these eight guinea pigs show that—

1. These animals may be rendered sensitive to the pollen extracts of either giant or short ragweed pollen.
2. A pig sensitive to giant ragweed will react when shocked with either giant or short extract.
3. A pig sensitive to short ragweed will react when shocked with either short or giant extract.
4. A pig sensitive to giant ragweed when shocked with a sublethal dose of giant extract is insensitive to either giant or short extract on the following day.
5. A pig sensitive to short ragweed when shocked with a sublethal dose of short extract is insensitive to giant extract on the following day.
6. The isolated uterus from a pig sensitive to giant ragweed is sensitive to either giant or short extract, and after being shocked with either, is then insensitive to both.

#### REFERENCES.

- (1) Coca, A. F.: Hay Fever. Practice of medicine, Tice. Vol. 1, pp. 179-185 (1920).
- (2) Parker, Julia T.: The antigenic properties of ragweed pollen. Proc. of the Soc. for Exp. Biol. & Med. Vol. XVIII, No. 7, p. 237.
- (3) Alexander, M. E.: Anaphylactogenic properties of rye pollen. Jour. Immunology. Vol. VIII, No. 6, p. 457.

#### HEALTH BY RADIO.

In July, 1921, Surg. Gen. Hugh S. Cumming delivered what is believed to be the first health message ever sent out by radiotelephony. On August 16 of the same year Surgeon General Cumming authorized

Asst. Surg. Gen. C. C. Pierce, Dr. Charles Bolduan, and Mr. Louis J. Heath to confer with representatives from the office of the Director of Communications, United States Navy, regarding United States Public Health Service health broadcasts; and as a result of conferences held in the following month, arrangements were made whereby the Director of Communications of the Navy Department assigned to the Public Health Service two 15-minute periods each week for the transmission of popular lectures on health topics. Following this arrangement, on December 31, 1921, the "Health-by-Radio" service was formally inaugurated.

The unique character of this radio service, the first of its kind, created such widespread interest that during the following six months six commercial broadcasting stations located in different parts of the United States and Canada applied for the privilege of using these lectures. The number has steadily increased until there are now 48 cooperative stations in all, and it is anticipated that others will be added in the near future.

On March 25, 1922, arrangements were concluded with the Foreign Language Information Service whereby that service was furnished with copies of these radio lectures for translation and use in the foreign-language newspapers in this country and abroad, having a potential field of 25,000,000 readers. These broadcasts have been translated into 16 different foreign languages. As an example of their extensive use, it may be noted that during the month of January, 1924, 285,698 words were published from radio lectures by the Foreign Language Information Service as against 7,740 words from all other Public Health Service publications during the same month. Many newspapers and magazines have also published these lectures, in whole or in part, in the English language; but there is no means at present of determining to what extent.

Beginning January 1, 1924, the broadcasting schedule was placed on a weekly basis, one lecture to be mailed from Washington to all cooperating stations every Saturday morning throughout the year. These lectures average about twelve hundred words in length, and the time required for delivery is approximately 10 minutes.

The value of this service is well established, and judging from past experience radio offers an unparalleled opportunity to render aid, at a nominal expense, to a great mass of people hitherto inaccessible. Educational material has come to have a definite place "in the air," and plenty of evidence is at hand that health information released by radio is having a very definite effect. School-teachers have copied these broadcasts in shorthand and used them in schools, and local organizations have installed radio receiving sets for the purpose of receiving the information sent out by the Public Health Service. It has been impossible in many instances to supply the demand for

copies of these radio health lectures requested by members of the vast radio audience.

At the present time these lectures are written by officers of the Public Health Service. Heretofore it has not been found possible to issue them in printed form, but it is planned in the future to select some of the popular broadcast lectures and publish them in Public Health Reports. Every officer of the service is invited to send in one or more articles on any suitable subject of his own choice.

The following radio message on "vitamins," by Surg. C. H. Lavin-der, is one that has recently been broadcast:

#### Vitamins.<sup>1</sup>

It has been said that "half of the struggle of man's life is a struggle for food." This is essentially true; and from every consideration the food which man consumes is a matter of first importance. A comprehension of the general principles which underlie the selection of a well balanced diet, from an intelligible point of view, is obviously of paramount interest to everyone.

Of late years a new word has appeared to describe an essential of man's diet, hitherto unknown. The word "vitamin," indeed, is now all too commonly used and has reached the stage where it may be seen displayed in questionable advertisements, which offer articles alleged to contain this wonderful substance which is so necessary to our health and vigor.

What is a "vitamin" and what does it do? This word is made up of two words, "vita," meaning life, and "amine," which is a chemical expression used to describe a particular class of substances which are basic in action and contain nitrogen. The word was originally and is still frequently spelled "vitamine." Since, however, we do not know the chemical composition of these substances named and can not show that they are composed in any way of "amines," that spelling is objectionable.

In order to have any clear idea of the character of these substances it is necessary first to review a little history, which is both interesting and informative.

Up to recent years, largely through laboratory methods applied to the study of nutrition, we had acquired some very important basic principles with regard to our foods. These principles are still fundamental and still true to-day.

We had learned that our food should be composed of carbohydrates, or starches, and fats and proteins, collectively termed "organic nutrients." We had also learned that these various components had

<sup>1</sup> On the basis of the decision of the American Chemical Society in favor of the spelling "vitamin," on the ground that the original spelling "vitamine" contains an erroneous implication as regards the composition of the substance named, and in the interest of consistency and uniformity, the former spelling will hereafter be followed in Public Health Reports.—Ed.

to be supplied in proper quantities, both relative and absolute. We had learned that part of our food supply was necessary for the production of energy, which we had learned to measure in calories, a word familiar to everybody. We had also learned that some of these components were necessary to support growth and maintain body nutrition. Also we had learned the necessity for various mineral salts. And we had learned many other less important factors.

More recently we discovered, largely through animal experimentation, another important fact with regard to proteins in our diet; it was found that proteins differ greatly in nutrient value; and not only must the body have its proper quantity of proteins each day, but it is quite fastidious as to the kinds of proteins which it demands. This is a fact of very great significance and one perhaps not generally appreciated.

These facts, and some others of lesser significance, were supposed, up to about 1911, to express completely the basis for guidance in the selection of our foods.

Then came the introduction of the vitamin hypothesis, which has not changed these basic principles, but has supplemented our knowledge and added an additional factor of great significance.

What led to the vitamin hypothesis? Our first suspicion of the existence of such substances was derived from the study of a disease, which is particularly prevalent and of great importance in the East, known as beriberi. It occurs among people who live largely on a rice diet, and its dietary origin had been suspected for several years. About 1896, a Dutch physician, by the name of Eijkman, in Java, discovered more or less accidentally that chickens fed on polished rice developed a similar disease; and later he concluded that this disease was probably due not to the eating of rice so much as to the eating of the rice which had been polished, with the removal of its outer brown coat. In other words, it was the *lack* of some substance in the rice polishings which made the fowls ill of a particular disease.

The subject attracted attention, and later a Polish chemist, by the name of Funk, spent much time in attempting to isolate from rice polishings the pure substance which was supposed to exist in them, and which would prevent the development of the disease. After much work he thought he had secured this substance in pure form and he called it "vitamine."

He also described certain diseases (which were well known) as "deficiency diseases," because he thought that these diseases were caused by the lack in diet of this peculiar substance which he called *vitamine*.

Among such diseases he placed beriberi, scurvy, rickets, and pellagra. His idea was that all of these diseases were due to the lack of one definite substance in the diet of the individuals who

suffered from them, and he believed that by supplying this one substance the patients could be cured or the disease prevented.

Investigations made by Funk, and by others subsequently, have shown that his ideas were not entirely correct.

Along with a study of beriberi and "deficiency diseases" another series of experiments by various workers was carried on, especially in this country, which consisted in feeding animals purified foodstuffs which theoretically met all the requirements of nutrition and growth, but which actually failed to do so. In other words, it was found that the feeding of animals on what was regarded as a well-balanced ration did not always supply everything necessary for nutrition and growth. These investigations supplemented the knowledge gained from the study of beriberi and other "deficiency diseases."

As a result of these and similar studies it was finally found that there did exist certain unidentified accessory dietary factors absolutely essential for nutrition and growth. These are called vitamins. These substances are absolutely essential to man's diet. They all appear to be alike in being very potent in very small amounts. So far they have defied chemical separation in pure form, and they can not be identified except by physiological effects. They are widespread in nature and occur in a great many articles of food.

Up to the present time four such substances are known, and it is possible that others exist. They are not named, but are lettered, and are called vitamins A, B, C, and D. For example: Scurvy is believed to be due to the lack of vitamin C, which is found abundantly in fresh fruit juices and fresh vegetables of many kinds; rickets is believed to be due to the lack of vitamin A, in which cod-liver oil is especially rich; beriberi is thought to be due to the lack of vitamin B; and so on through the list. Not enough is known of these substances to justify one in making very definite statements as to their exact action and character; but the fact that such substances do exist and that they are absolutely necessary to man's well-being can no longer be doubted.

Their function is peculiar, and can perhaps be best understood by a mechanical analogy which has been formulated by some writer. One may compare the body and its foods to a gasoline engine and its motor. The organic foodstuffs, such as fats, sugars, and starches, correspond to the fuel for the engine; the proteins and some of the mineral matters to the materials of which the motor is made; other mineral matters to the lubricant; and the vitamin to the ignition spark, the energy of which is insignificant, but without which the engine can not run.

Let us repeat, then, that the vitamin hypothesis has not destroyed our old ideas about the selection of our foods, but has merely added additional knowledge. These substances are undoubtedly essential

in our diet, and without them nutrition and growth can not be maintained. They are, however, widespread in nature, and an abundance of them will be found in every well-balanced ration. It is necessary only to select proper food to eat in order to get an abundant supply of these precious substances, and they should be obtained from our food supplies. Any diet that does not supply them is deficient.

### SOME PUBLICATIONS SUITABLE FOR GENERAL DISTRIBUTION.

There is given below a list of some nontechnical publications issued by the Bureau of the Public Health Service, covering a wide variety of subjects and suitable for general distribution.

The "Keep Well" publications constitute a series of small pamphlets which present important health facts in popular form.

The most important articles that appear each week in Public Health Reports are reprinted in pamphlet form, making possible a wider and more economical distribution of articles that are of interest to health workers, sanitarians, and the general public.

The Public Health bulletins have proved especially valuable for general distribution in connection with campaigns for health improvement, and are useful to health officers as an aid to the solution of many local health problems.

All of the publications listed, except those marked with an asterisk (\*), are available for free distribution and, as long as the supply lasts, may be obtained by addressing the Surgeon General, United States Public Health Service, Washington, D. C. Those publications marked with an asterisk are not available for free distribution, but may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C., *at the prices noted.* (Send no remittances to the Public Health Service.)

#### Keep Well Series.

1. The road to health. Concise directions for keeping well—Table of average weights for men and women. 1919. 16 pages.
- \*3. How to avoid tuberculosis. 1919. 7 pages. 5 cents.
- \*4. Diphtheria. How to recognize it, keep from catching it, and treat those who do catch it. 1919. 15 pages. 5 cents.
- \*5. The safe vacation. Selection of a place to go and what to do in case of sudden accident or illness. 1919. 32 pages. 5 cents.
6. Cancer facts which every adult should know. 1919. 30 pages.
- \*7. Vaccination: An excellent form of health insurance. 1919. 8 pages. 5 cents.
8. Motherhood: Helpful advice to the expectant mother. 1919. 7 pages.
9. Breast feeding her baby. Points to be remembered by all mothers. 1919. 7 pages.

- 10. Bottle feeding for babies. Concise guide for mothers. 1919. 9 pages.
- \*11. Malnutrition: Helpful advice to mothers. 1920. 12 pages. 5 cents.
- \*12. Flat foot and other foot troubles. 1920. 16 pages. 5 cents.
- \*13. Good teeth. 1921. 16 pages. 5 cents.

#### Supplements to the Public Health Reports.

- \*2. Indoor tropics. The injurious effect of overheated dwellings, schools, etc. By J. M. Eager. 1913. 8 pages. 5 cents.
- \*3. Tuberculosis: Its predisposing causes. By F. C. Smith. 1913. 7 pages. 5 cents.
- \*4. The citizen and the public health. By A. M. Stimson. 1913. 12 pages. 5 cents.
- \*5. Fighting trim. The importance of right living. By J. M. Eager. 1913. 7 pages. 5 cents.
- 8. Trachoma: Its nature and prevention. By John McMullen. 1913. (Revised 1923.) 6 pages.
- 11. What the farmer can do to prevent malaria. By R. H. von Ezdorf. 1914. 6 pages.
- 16. The summer care of infants. By W. C. Rucker and C. C. Pierce. 1914. 15 pages.
- 18. Malaria: Lessons on its cause and prevention (for use in schools). By H. R. Carter. 1914. 20 pages; 4 plates.
- 21. Scarlet fever: Prevention and control. By J. W. Schereschewsky. 1914. (Revised 1922.) 18 pages.
- \*24. Exercise and health. By F. C. Smith. 1915. 7 pages. 5 cents.
- \*29. The transmission of disease by flies. By Ernest A. Sweet. 1916. 20 pages; 2 plates. (Revised 1922.) 5 cents.
- \*30. Common colds. By W. C. Rucker. 1917. 4 pages. 5 cents.
- 31. Safe milk: An important food problem. By Ernest A. Sweet. 1917. 24 pages.
- 36. What to do to become physically fit. 1918. 4 pages.

#### Public Health Bulletins.

- \*32. Hookworm disease (or ground-itch anemia): Its nature, treatment, and prevention. By C. W. Stiles. 1910. 40 pages. 10 cents.
- \*35. The relation of climate to the treatment of pulmonary tuberculosis. By F. C. Smith. 1910. 17 pages. (Revised edition.) 5 cents.
- 37. The sanitary privy: Its purpose and construction. By C. W. Stiles. 1910. 24 pages; 12 figures.
- 58. Open-air schools for the cure and prevention of tuberculosis among children. By B. S. Warren. 1912. 20 pages.
- 68. Safe disposal of human excreta at unsewered homes. By L. L. Lumsden, C. W. Stiles, and A. W. Freeman. 1915. 28 pages.
- 69. Typhoid fever: Its causation and prevention. By L. L. Lumsden. 1915. 22 pages.
- 70. Good water for farm homes. By A. W. Freeman. 1915. 16 pages.
- 89. A sanitary privy system for unsewered towns and villages. By L. L. Lumsden. 1917. 23 pages.
- \*101. Studies of methods for the treatment and disposal of sewage: Treatment of sewage from single houses and small communities. By Leslie C. Frank and C. P. Rynus. 1919. 117 pages. 25 cents.
- \*102. A home-made milk refrigerator. Simple method of constructing a satisfactory refrigerator with materials usually on hand. By C. Bolduan. 1919. 1 page; 2 plates. 5 cents.

- \*103. The rat: Arguments for elimination and methods for destruction. 1919. 12 pages. 5 cents.
- 106. Comparison of an eight-hour plant and a ten-hour plant. Studies in industrial physiology: Fatigue in relation to working capacity. By Josephine Goldmark, Mary D. Hopkins, Philip S. Florence, and Frederic S. Lee. 1920. 213 pages.
- 107. Municipal wastes: Their character, collection, and disposal. By H. R. Crohurst. 1920. 98 pages.
- \*110. Synopsis of child hygiene laws of the several States, including school medical-inspection laws. By Taliaferro Clark and Selwyn D. Collins, 1921. 58 pages. 10 cents.
- 112. Report on Oregon State survey of mental defects, delinquency, and dependency. By C. L. Carlisle. 1921. 79 pages.
- 114. Top minnows in relation to malaria control. Notes on habits and distribution. By S. F. Hildebrand. 1921. 34 pages.
- 116. Lead poisoning in the pottery trades. By B. J. Newman, W. J. McConnell, O. M. Spencer, and F. M. Phillips. 1921. 223 pages.
- 121. Rodent infestation and rat-proofing conditions in Massachusetts seacoast cities, New York, and Baltimore. By L. L. Williams, E. C. Sullivan, and A. F. Allen. 1922. 38 pages.
- \*127. The epidemiology of botulism. By J. C. Geiger, K. F. Meyer, and E. C. Dickson. 1922. 119 pages. 15 cents.
- 129. Communicable diseases and travel. By Thomas R. Crowder, 1922. 62 pages.
- 131. Section No. 1 of general report on Ohio River investigation. A study of pollution and natural purification of the Ohio River. Plankton and related organisms. By W. C. Purdy. 1923. 78 pages.
- \*132. Studies of 15 representative sewage plants in the United States. By E. J. Theriault and H. H. Wagenhals. 1923. 260 pages. 50 cents.
- 134. The campaign against malnutrition. 1923. 37 pages.
- 135. Railroad malaria surveys. 1922. The Missouri Pacific Railroad. By A. W. Fuchs. 1923. 36 pages.
- 136. Report of the committee on municipal health department practice, of the American Public Health Association. 1923. 468 pages.
- 138. Tuberculosis survey of the island of Porto Rico, October 11, 1922 to April 18, 1923. By J. G. Townsend, 1923. 98 pages.

#### Reprints from Public Health Reports.<sup>1</sup>

- \*28. Prevention and destruction of mosquitoes. By Joseph Goldberger. 1908. 11 pages. 5 cents.
- 100. Whooping cough: Its nature and prevention. By W. C. Rucker. 1912. 7 pages. (Revised 1922.)
- \*105. Antimalarial measures for farm houses and plantations. By H. R. Carter. 1912. 8 pages. 5 cents.
- \*122. Rat proofing: Construction or repair of dwellings or other buildings. By Fiench Simpson. 1913. 11 pages; 10 plates. 10 cents.
- \*138. A new design for a sanitary pail. By Victor G. Heiser. 1913. 2 pages. 1 plate. 5 cents.
- 150. The citizen and the public health. By John W. Trask. 1913. 8 pages.
- \*164. Mental hygiene. By E. H. Mullan. 1914. 12 pages. 5 cents.
- 167. Relative efficiency of rat traps: Trap which proved most effective in Manila. By Victor G. Heiser. 1914. 2 pages.

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<sup>1</sup> See also list of reprints under Venereal Disease Publications.

- \*170. Prevention of malaria. How to screen the home. By R. H. von Ezdorf. 1914. 6 pages. 5 cents.
- 183. Screening as an antimalarial measure. By H. R. Carter. 1914. 12 pages.
- \*187. Prevention of typhus fever. With especial reference to delousing. By Joseph Goldberger and M. H. Neill. 1914. 14 pages. 5 cents.
- 213. Safe ice. By Hugh S. Cumming. 1914. 11 pages.
- \*221. Tuberculosis: Financial aspect of leaving home in search of beneficial climate. By Thompson Frazer. 1914. 6 pages. 5 cents.
- 224. Hookworm disease: Oil of Chenopodium treatment. By M. G. Motter. 1914. 4 pages.
- 225. The chemical disinfection of water. By Earle B. Phelps. 1914. 10 pages.
- 256. The limitations to self-medication. Uses and abuses of proprietary preparations and household remedies. By Martin I. Wilbert. 1915. 6 pages.
- 258. Malaria control: Drainage as an antimalarial measure. By J. A. A. Le Prince. 1915. 11 pages.
- 260. Control of malaria: Oiling as an antimosquito measure. By J. A. A. Le Prince. 1915. 12 pages.
- \*293. Methods of destroying lice. Abstract of an article by J. Parlane Kinloch, M. D. 1915. 4 pages. 5 cents.
- \*299. Essentials of swimming-pool sanitation. By W. A. Manheimer. 1915. 16 pages. 5 cents.
- \*349. Hay fever and its prevention. By W. Scheppegegrell. 1916. 12 pages; 6 plates. 10 cents.
- 358. Mental examinations of school children. By Taliaferro Clark. 1916. 8 pages.
- 377. Mental status of rural school children: Sanitary survey in New Castle County, Delaware—with a description of the tests. By E. H. Mullan. The mental status of rural school children of Porter County, Indiana. By Taliaferro Clark and W. L. Treadway. 1916. 30 pages.
- 387. Climate and tuberculosis: Relation of climate to recovery. By John W. Trask. 1917. 8 pages.
- 404. Chemical closets. 1917. 3 pages.
- \*412. Hay fever: Cause and prevention in the Rocky Mountain and Pacific States. By W. Scheppegegrell. 1917. 17 pages; 2 plates. 10 cents.
- \*435. Vaccination against smallpox. 1917. 3 pages. 5 cents.
- \*454. Prophylaxis of malaria: Immunization by quinine. By H. R. Carter. 1918. 9 pages. 5 cents.
- 456. The application of ozone to the purification of swimming pools. By Wallace A. Manheimer. 1918. 8 pages.
- 461. Pellagra: Its nature and prevention. By Joseph Goldberger. 1918 (Revised 1921.) 8 pages.
- \*497. Safe milk for the small town. By K. E. Miller. 1918. 5 pages. 5 cents.
- \*504. The treatment of sewage from single houses and small communities. By Earle B. Phelps. 1919. 6 pages; 2 plates. 5 cents.
- \*513. The new science of industrial physiology. By Frederic S. Lee. 1919. 9 pages. 5 cents.
- \*517. Is your community fit? 1919. 3 pages. 5 cents.
- \*518. Mental hygiene leaflet for teachers. 1919. 5 pages. 5 cents.
- 527. Fishes in relation to mosquito control in ponds. By Samuel F. Hildebrand. 1919. 15 pages; 6 plates. (Revised 1922.)
- 532. A disposal station for a can privy system. By E. B. Johnson. 1919. 6 pages; 2 plates.

- \*545. The treatment of hay fever. By W. Scheppegrell. 1919. 9 pages; 2 plates. 5 cents.
- 552. The malaria problem in the South. By H. R. Carter. 1919. 11 pages.
- 554. School medical inspection. By Taliaferro Clark. 1919. 6 pages.
- 584. Ivy and sumac poisoning. By E. A. Sweet and C. V. Grant. 1920. 16 pages; 2 plates. 5 cents.
- \*588. Dried milk powder in infant feeding. By W. H. Price. 1920. 20 pages. 5 cents.
- 595. What can a community afford to pay to rid itself of malaria? By L. M. Fisher. 1920. 5 pages.
- \*610. The seasons, causes, and geographical distribution of hay fever, and the hay fever resorts, in the United States. By W. Scheppegrell. 1920. 25 pages; 3 plates. 5 cents.
- 622. Children's teeth, a community responsibility. By Taliaferro Clark and H. B. Butler. 1920. 18 pages. 1 plate.
- 625. Sanitary disposal of sewage through a septic tank: Simple construction and inexpensive operation for isolated dwellings. By H. R. Crohurst. 1920. 8 pages.
- 626. The bedbug: Relation to public health, habits, life history, methods of control. 1920. 8 pages.
- \*638. Modern medicine and the public health. By W. T. Sedgwick. 1921. 8 pages. 5 cents.
- 645. The fate of the first molar. By H. B. Butler. 1921. 6 pages.
- 654. Nutrition in childhood. By Taliaferro Clark. 1921. 10 pages. (Revised 1922.)
- 655. Guide to proper rat-proofing of buildings. By C. E. Hauer. 1921. 13 pages.
- 661. Evolution and organization of the Public Health Service. 1921. 12 pages.
- 672. The standard treatment for malaria. By C. C. Bass. 1921. 4 pages.
- \*674. Sickness among school children: Loss of time from school among 6,130 school children in 13 localities in Missouri. By S. D. Collins. 1921. 11 pages. 5 cents.
- 682. The work of the Public Health Service in the care of disabled veterans of the World War. By H. S. Cumming. 1921. 10 pages.
- 683. School health supervision in Minneapolis, Minnesota. By Taliaferro Clark. 1921. 35 pages.
- 686. Essentials of smallpox vaccination. By J. P. Leake and J. N. Force. 1921. 5 pages.
- \*694. Carbon monoxide poisoning in closed garages. 1921. 6 pages. 5 cents.
- 698. Diphtheria immunization. 1921. (Revised 1924.) 6 pages.
- 707. Good teeth: The importance of good teeth and the prevention of decay. 1921. 10 pages.
- 727. The care of your baby. 1922. 40 pages.
- 728. Treatment of carbon-monoxide poisoning. By R. R. Sayers and H. R. O'Brien. 1922. 5 pages.
- \*742. Correcting physical defects in school children. 1922. 16 pages. 5 cents.
- 750. Heights and weights of school children. By Taliaferro Clark, Edgar Sydenstricker, and S. D. Collins. 1922. 22 pages.
- 753. Adenoids. What they are and how to treat them. 1922. 2 pages; 1 plate.
- \*754. The delinquent. By Frank E. Leslie. 1922. 10 pages. 5 cents.
- 778. Diphtheria: Its prevention and control. By J. W. Schereschewsky. (Revised edition of Supplement No. 14.) 1922.

779. The posture of school children in relation to nutrition, physical defects, school grade, and physical training. By E. Blanche Sterling. 1922. 6 pages.
780. Measles: An important disease from the public health standpoint. By W. C. Rucker. (Revised edition of Supplement No. 1.) 1922.
783. The school nurse: Her duties and responsibilities. By Taliaferro Clark. 1922.
789. Dried milk powder in infant feeding. By Taliaferro Clark and S. D. Collins. 1922.
- \*793. School absence of boys and girls. By Selwyn D. Collins. October 27, 1922. 5 pages. 5 cents.
- \*798. Nutrition and education. By E. Blanche Sterling. November 10, 1922. 10 pages. 5 cents.
- \*809. Weight and height as an index of nutrition. By Taliaferro Clark, Edgar Sydenstricker, and Selwyn D. Collins. January 12, 1923. 22 pages. 5 cents.
- \*816. Health scoring of school children. By Taliaferro Clark and Edith B. Lowry. February 16, 1923. 12 pages. 5 cents.
- \*819. The trachoma problem in the State of Minnesota. By Taliaferro Clark. March 2, 1923. 21 pages. 5 cents.
821. Changes in a small town brought about by the health department. By B. B. Bagby. March 9, 1923. 4 pages.
825. Schick tests and immunization against diphtheria in the eighth sanitary district of Vermont. By C. W. Kidder. March 30, 1923. 4 pages.
- \*827. Progress in health conservation during the past 50 years. By George Martin Kober. April 6, 1923. 16 pages. 5 cents.
829. Tuberculosis: Its predisposing causes. By F. C. Smith. April 23, 1923. 8 pages.
832. The prevention of simple goiter. By O. P. Kimball, M. D. April 27, 1923. 11 pages.
838. Public Health Service publications. A list of publications issued between October, 1922 and April, 1923. May 18, 1923. 4 pages.
840. The physical care of rural school children. By Taliaferro Clark. June 1, 1923. 12 pages.
842. Indices of nutrition: Application of certain standards of nutrition to 506 native white children without physical defects and with "good" or "excellent" nutrition as judged by clinical evidence. By Taliaferro Clark, Edgar Sydenstricker, and Selwyn D. Collins. June 8, 1923. 35 pages.
850. The National Health Council as an aid to organized health agencies. July 6, 1923. 8 pages.
856. Dengue fever: Etiology, epidemiology, transmission, etc. By C. Armstrong. August 3, 1923. 35 pages.
- \*864. Automobile cost in rural health work. Report on operation of automobiles in cooperative rural health work in Virginia. By H. McG. Robertson. August 31, 1923. 5 pages. 5 cents.
867. Application of partial correlation to a health problem. By Frank M. Phillips and Faye Hollis Roberts. September 14, 1923. 13 pages.
869. Vaccination technique and certification: An experiment in making vaccination and insurance against delay as well as a protection against disease. By S. B. Grubbs. September 21, 1923. 6 pages.
874. Pellagra prevention by diet among institutional inmates. By Joseph Goldberger, C. H. Waring, and W. F. Tanner. October 12, 1923. 10 pages.

878. The spleen rate of school boys in the Mississippi Delta. By K. F. Maxey and C. P. Coogle. October 26, 1923. 8 pages.
882. Fundamentals of rural health work. By W. F. Draper. November 16, 1923. 8 pages.
884. Collection of morbidity data and other sanitary information by the United States Public Health Service. By Brock C. Hampton. November 30, 1923. 16 pages.
890. The program for oral hygiene in the public schools of Minneapolis, Minnesota. By F. Denton White, D. D. S. December 21, 1923. 6 pages.
895. A study of the treatment and prevention of pellagra. By Joseph Goldberger and W. F. Tanner. January 18, 1924. 21 pages.
896. The importance of our knowledge of thyroid physiology in the control of thyroid diseases. By Taliaferro Clark. January 18, 1924. 4 pages.
901. Is the prophylactic use of diphtheria antitoxin justified? By James A. Doull and Roy P. Sandidge. February 15, 1924. 12 pages.
905. Factors in the mental health of girls of foreign parentage. A study of 210 girls of foreign parentage who received advice and assistance from a social agency, 1919-1922. By Mary C. Jarrett. March 7, 1924. 26 pages.
906. Malta fever. Cattle suggested as a possible source of infection, following a serological study of human serums. By Alice C. Evans. March 14, 1924. 18 pages.
907. The new Baldwin-Wood weight-height-age tables as an index of nutrition. By Taliaferro Clark, Edgar Sydenstricker, and Selwyn D. Collins. March 14, 1924. 8 pages.
908. Absenteeism among white and negro school children in Cleveland, 1922-23. By G. E. Harmon, M. D., G. E. Whitman, A. B. March 21, 1924. 9 pages.

#### Miscellaneous Publications.

- \*17. Prevention of disease and care of the sick. 3d edition. By W. G. Stimpson. First aid to the injured. By M. H. Foster. 1919. 318 pages. Paper bound, 75 cents; cloth bound, \$1.
- \*21. What to do in accidents. (Adapted from "First aid to the injured," by M. H. Foster. Misc. Pub. No. 17. 1920.) 61 pages. 10 cents.
27. Tuberculosis: Its nature and prevention. By F. C. Smith. 1921. 12 pages; 1 plate. (Reprint of Public Health Bulletin No. 36.)
28. Getting well: Some things worth knowing about tuberculosis. By medical officers of the Public Health Service, private specialists, and patients. Edited and arranged by Nathan Barlow. 1922.

#### Posters.

1. The house fly.
3. The sanitary privy.
4. Influenza.

#### Venereal-Disease Publications.

##### BULLETINS.

6. Manpower. A pamphlet for men giving the facts of venereal disease and some material on sex hygiene.
7. The problem of sex education in schools. For educators.
- 22a. The place of the Church in the control of venereal disease.
31. Important confidential information. For persons infected with venereal disease.

- 37. A message from the Government to the churches of the United States.
- 39. Venereal disease ordinances.
- 43. The public health nurse and venereal-disease control.
- 47. The percentage of venereal diseases among approximately the second million drafted men—by cities.
- 51. Fighting venereal diseases. Contains information for men and prepared for use in barber shops.
- 53. Is this enough? Suggests methods of cooperation in the program of combating venereal disease.
- 54. The case against the red-light district.
- 55. Keeping fit. For older boys. Tells how to keep in prime physical condition and includes essential information regarding sex hygiene.
- 59. The wonderful story of life. A pamphlet for parents to read to little children.
- 60. Healthy, happy womanhood. A pamphlet which sets forth in simple language facts regarding sex and venereal disease essential to the welfare of girls and young women.
- 61. Sex education in the home. For parents.
- 62. Outdoing the ostrich. Sets forth the threefold plan for combating venereal disease.
- 63. The facts about venereal diseases. For men. Contains in condensed form much of the information in "Manpower."
- 64. A square deal for the boy in industry. For those engaged in work with boys. Outlines a method of reaching employed boys with the "Keeping Fit" exhibit.
- 66. What representative citizens think about prostitution.
- 67. Syphilis and gonorrhea: Diseases of youth.
- 68. An open forum on the "Open House."
- 69. The status of sex education in schools.
- 70. Dividends from venereal-disease control.
- 71. You and your boy. For parents.
- 72. The need for sex education. Contains a list of useful books.
- \*73. Placard—Warning against venereal diseases. (For use by railroads, industrial plants, etc. Prices quoted by the Superintendent of Documents, Government Printing Office.)
- \*74. The need for sex education. Includes lists of carefully selected books. 1 page. 5 cents.
- \*75. High schools and sex education. A manual for teachers, setting forth the nature of sex education and describing the courses into which a limited amount of sex information may be introduced when well-qualified teachers are available. 98 pages (buckram). 50 cents.
- \*76. Venereal-disease handbook for community leaders. 65 pages (buckram). 50 cents.

## REPRINTS FROM PUBLIC HEALTH REPORTS.

- 354. Syphilis. By L. L. Williams. August 4, 1916. 13 pages.
- 378. Prevalence of syphilis, as indicated by the routine use of the Wassermann reaction. By William M. Bryan and James F. Hooker. November 24, 1916. 2 pages.
- 447. The control of venereal diseases. January 7, 1918. 3 pages.
- 450. Venereal-disease legislation. Showing the trend. January 18, 1918. 30 pages.
- 455. A state-wide plan for the prevention of venereal diseases. By Allan J. McLaughlin. February 22, 1918. 16 pages.

459. Suggestions for State board of health regulations for the prevention of venereal diseases. Approved by Surgeon General of the Army, Surgeon General of the Navy, and Surgeon General of the Public Health Service. March 29, 1918. 7 pages.
468. Progress in venereal-disease control. By J. G. Wilson. May 24, 1918. 6 pages.
474. State and Federal cooperation in combating the venereal diseases. By J. G. Wilson. June 28, 1918. 6 pages.
477. Venereal-disease control. Standards for discharge of carriers. July 19, 1918. 4 pages.
485. Regulations for allotment of funds for venereal-disease prevention work. September 13, 1918. 4 pages.
515. The place of "early treatment" in the program of venereal-disease control. April 18, 1919. 2 pages.
524. Public Health Service program for nation-wide control of venereal diseases. By C. C. Pierce. May 16, 1919. 8 pages.
542. Antivenereal disease and sex hygiene program for the colored population. By Roscoe C. Brown. July 18, 1919. 7 pages.
561. Venereal-disease control activities. By C. V. Herdlika. October 10, 1919. 6 pages.
574. The value of detention as a reconstruction measure. By C. C. Pierce. November 28, 1919. 5 pages.
609. Some possibilities in the statistical analysis of case reports of venereal diseases. By C. C. Pierce and E. Sydenstricker. August 27, 1920. 10 pages.
630. Venereal-disease incidence at different ages. Tabulation of 8,413 case reports. By Mary L. King and Edgar Sydenstricker. December 24, 1920. 18 pages.
637. Syphilis as a cause of insanity. By Elise Donaldson. January 21, 1921. 8 pages.
685. All-America conference on venereal diseases. Proceedings and resolutions. By Charles Bolduan. July 15, 1921. 44 pages.
693. Control of venereally diseased persons in interstate commerce. By David Robinson. September 9, 1921. 8 pages.
695. Value of certain inquiries on venereal-disease case reports—A study of 8,413 case reports in Indiana. September 16, 1921. 15 pages.
696. Syphilis and infant deaths. By Millard Knowlton. September 23, 1921. 10 pages.
718. Program for statistics of venereal diseases. By L. I. Dublin and M. A. Clark. December 16, 1921. 20 pages.
720. Mortality from syphilis. 1,183 autopsies in New York. December 30, 1921. 8 pages.
765. The public health institutes, 1922. June 30, 1922. 4 pages.
787. Venereal-disease social service in Plainfield, N. J. By A. J. Casselman. September 22, 1922. 10 pages.
794. An analysis of 10,000 New Jersey reports of gonorrhea and syphilis. By A. J. Casselman. October 27, 1922. 4 pages.
847. Incidence of venereal diseases among American seamen in the Orient. By M. R. King. June 29, 1923. 4 pages.

#### CARD EXHIBITS.

Adolescence and sex education—34 cards, 9 by 12 inches. For teachers. This exhibit is not for sale, but may be borrowed from many of the State departments of health and from the United States Public Health Service.

\*The venereal disease menace—50 cards, 9 by 12 inches. For adults. May be purchased from the Superintendent of Documents, Washington, D. C. \$1.

PERIODICAL PUBLICATION.

\*Venereal disease information—A monthly publication. Presents the medical aspects of venereal-disease control work. 5 cents per copy. Subscription price, 50 cents per year.

### DEATHS DURING WEEK ENDED MAY 17, 1924.

*Summary of information received by telegraph from industrial insurance companies for week ended May 17, 1924, and corresponding week of 1923. (From the Weekly Health Index, May 20, 1924, issued by the Bureau of the Census, Department of Commerce.)*

	Week ended May 17, 1924.	Corresponding week, 1923.
Policies in force.....	56, 020, 487	52, 079, 689
Number of death claims.....	11, 221	10, 399
Death claims per 1,000 policies in force, annual rate	10. 4	10. 4

*Deaths from all causes in certain large cities of the United States during the week ended May 17, 1924, infant mortality, annual death rate, and comparison with corresponding week of 1923. (From the Weekly Health Index, May 20, 1924, issued by the Bureau of the Census, Department of Commerce.)*

City.	Week ended May 17, 1924.		Annual death rate per 1,000, corresponding week, 1923.	Deaths under 1 year.		Infant mortality rate, week ended May 17, 1924. <sup>1</sup>
	Total deaths.	Death rate. <sup>1</sup>		Week ended May 17, 1924.	Corresponding week, 1923.	
Total (65 cities).....	6, 781	13. 0	<sup>2</sup> 13. 0	824	<sup>2</sup> 830	.....
Akron.....	35			9	3	96
Albany <sup>4</sup> .....	38	16. 7	14. 2	3	6	66
Atlanta.....	71	16. 3	17. 5	6	12	.....
Baltimore <sup>4</sup> .....	243	16. 1	14. 0	24	34	70
Birmingham.....	66	17. 1	17. 6	9	8	.....
Boston.....	238	16. 0	13. 8	29	28	80
Bridgeport.....	29			0	6	0
Buffalo.....	144	13. 8		19	.....	81
Cambridge.....	31	14. 4	13. 1	5	7	87
Camden.....	36	14. 9	13. 0	6	1	95
Chicago <sup>4</sup> .....	663	11. 8	12. 6	88	97	81
Cincinnati.....	116	14. 8	18. 0	18	15	113
Cleveland.....	205	11. 7	10. 2	35	20	92
Columbus.....	57	11. 1	15. 2	7	8	67
Dallas.....	49	13. 6	9. 4	11	8	.....
Dayton.....	32	9. 9	9. 8	2	2	34
Denver.....	63			6	7	.....
Des Moines.....	26	9. 3	8. 1	2	3	.....
Detroit.....	306			40	42	91
Duluth.....	26	12. 5	14. 7	6	1	128
Erie.....	20			8	4	165
Full River <sup>4</sup> .....	31	13. 4	10. 8	7	5	99
Flint.....	23			2	6	35
Fort Worth.....	19	6. 7	6. 5	3	0	.....
Grand Rapids.....	28	9. 8	13. 9	3	2	47
Houston.....	42			5	9	.....
Indianapolis.....	93	13. 8	11. 3	8	4	60
Jacksonville, Fla.....	29	14. 8	14. 6	3	7	.....
Jersey City.....	86	14. 4	10. 3	16	14	116
Kansas City, Kans.....	24	10. 6	19. 4	1	7	20

<sup>1</sup> Annual rate per 1,000 population.

<sup>2</sup> Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births for 1923. Cities left blank are not in the registration area for births.

<sup>4</sup> Data for 64 cities.

<sup>5</sup> Deaths for week ended Friday, May 16, 1924.

*Deaths from all causes in certain large cities of the United States during the week ended May 17, 1924, infant mortality, annual death rate, and comparison with corresponding week of 1923—Continued.*

City.	Week ended May 17, 1924.		Annual death rate per 1,000, corresponding week, 1923.	Deaths under year.		Infant mortality rate, week ended May 17, 1924.
	Total deaths.	Death rate.		Week ended May 17, 1924.	Corresponding week, 1923.	
Kansas City, Mo.	66	9.6	15.0	6	11	
Los Angeles	202			30	31	3
Louisville	72	14.5	19.0	5	14	5
Lowell	28	12.6	13.6	3	6	54
Lynn	24	12.1	14.2	0	4	0
Memphis	49	14.8	17.5	0	11	
Milwaukee	88	9.3	11.7	9	20	41
Minneapolis	130	16.2	11.2	15	8	10
Nashville	51	21.5	17.4	2	6	
New Bedford	27	10.6	12.4	5	6	78
New Haven	37	11.0	10.9	8	4	104
New Orleans	132	16.8	16.0	19	15	
New York	1,418	12.3	12.4	177	171	72
Bronx Borough	166	9.9	10.6	18	10	63
Brooklyn Borough	479	11.4	11.8	70	62	75
Manhattan Borough	652	15.0	14.1	75	86	73
Queens Borough	80	7.5	9.4	12	10	66
Richmond Borough	41	16.4	15.1	2	3	36
Newark, N. J.	117	13.7	10.7	17	14	80
Norfolk	32	10.2		7		127
Oakland	44	9.3	12.6	3	7	38
Oklahoma City	19	9.5		3		
Omaha	59	14.8	13.5	6	2	64
Paterson	28	10.4	17.9	3	8	49
Philadelphia	473	12.6	13.5	42	61	53
Pittsburgh	209	17.4	15.5	30	38	102
Portland, Oreg.	50	9.4	11.6	4	7	41
Providence	72	15.4	16.3	15	6	122
Richmond	50	14.2	13.2	5	7	59
Rochester	76	12.2		6		47
St. Louis	185	11.9	12.5	10	12	
St. Paul	59	12.6	16.0	10	8	86
Salt Lake City	44	17.8	9.5	4	2	66
San Antonio	80	21.8	18.1	18	13	
San Francisco	154	14.6	11.8	9	5	57
Schenectady	23	11.9	10.6	2	1	54
Seattle	44			1	5	10
Somerville	23	11.9	15.3	5	3	136
Spokane	32			4	3	85
Springfield, Mass.	39	13.7	8.3	7	5	118
Syracuse	47	13.0	15.0	7	8	87
Tacoma	19	9.6	15.4	3	4	69
Toledo	60	11.3	14.9	6	14	57
Trenton	43	17.3	12.7	7	4	115
Utica	29	14.4	9.6	3	4	65
Washington, D. C.	136	14.6	13.1	26	17	150
Waterbury	15			5	1	112
Wilmington, Del.	28	12.2	12.4	2	3	43
Worcester	50	13.3	10.9			
Yonkers	21	10.0	13.1	2	2	44
Youngstown	39	13.1	9.0	2	4	29

\* Deaths for week ended Friday May 16, 1924.

# PREVALENCE OF DISEASE.

*No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.*

## UNITED STATES.

### CURRENT WEEKLY STATE REPORTS.

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers.

#### Reports for Week Ended May 24, 1924.

ALABAMA.		CALIFORNIA.	
	Cases.		Cases.
Chicken pox.....	48	Cerebrospinal meningitis:	
Diphtheria.....	5	Los Angeles County.....	1
Influenza.....	33	Santa Clara.....	1
Malaria.....	83	Diphtheria.....	235
Measles.....	219	Influenza.....	14
Mumps.....	73	Lethargic encephalitis—San Francisco.....	1
Pellagra.....	13	Measles.....	856
Pneumonia.....	46	Rocky Mountain spotted fever—Lassen	
Scarlet fever.....	11	County.....	1
Smallpox.....	74	Scarlet fever.....	150
Tuberculosis.....	53	Smallpox:	
Typhoid fever.....	11	Long Beach.....	8
Whooping cough.....	61	Los Angeles.....	89
		Los Angeles County.....	40
		Ontario.....	13
		Watts.....	13
		Scattering.....	41
		Typhoid fever.....	9
		COLORADO.	
		(Exclusive of Denver.)	
		Chicken pox.....	11
		Diphtheria.....	9
		Influenza.....	1
		Measles.....	157
		Mumps.....	19
		Rocky Mountain spotted fever.....	1
		Scarlet fever.....	12
		Tuberculosis.....	44
		Whooping cough.....	9
		CONNECTICUT.	
		Cerebrospinal meningitis.....	2
		Chicken pox.....	35
		Conjunctivitis (infectious).....	6
		Diphtheria.....	18
		Dysentery (amebic).....	1
		German measles.....	8
		Lethargic encephalitis.....	2

## CONNECTICUT—continued

	Cases.
Measles.....	168
Mumps.....	95
Pneumonia (lobar).....	27
Scarlet fever.....	90
Septic sore throat.....	1
Smallpox.....	4
Tuberculosis (all forms).....	31
Typhoid fever.....	1
Whooping cough.....	13

## DELAWARE.

Cerebrospinal meningitis.....	2
Chicken pox.....	8
Diphtheria:	
Wilmington.....	16
Scattering.....	2
Influenza.....	4
Malaria.....	2
Measles—Wilmington.....	21
Mumps.....	6
Scarlet fever:	
Wilmington.....	23
Scattering.....	7
Tuberculosis.....	5
Typhoid fever.....	1
Whooping cough.....	15

## DISTRICT OF COLUMBIA.

Chicken pox.....	40
Diphtheria.....	7
Influenza.....	1
Measles.....	18
Scarlet fever.....	35
Smallpox.....	7
Tuberculosis.....	20
Typhoid fever.....	1
Whooping cough.....	11

## FLORIDA.

Cerebrospinal meningitis.....	1
Diphtheria.....	8
Influenza.....	31
Lethargic encephalitis.....	2
Malaria.....	20
Pneumonia.....	187
Scarlet fever.....	4
Smallpox.....	3
Typhoid fever.....	12

## GEORGIA.

Cerebrospinal meningitis.....	1
Chicken pox.....	6
Diphtheria.....	6
Dysentery (amebic).....	1
Dysentery (bacillary).....	7
Hookworm disease.....	17
Influenza.....	2
Malaria.....	10
Measles.....	25
Mumps.....	36
Pellagra.....	2
Pneumonia.....	14
Scarlet fever.....	7
Septic sore throat.....	2
Smallpox.....	48
Trachoma.....	1

## GEORGIA—continued.

	Cases.
Tuberculosis (pulmonary).....	8
Typhoid fever.....	3
Whooping cough.....	10

## ILLINOIS.

Cerebrospinal meningitis—Cook County....	1
Diphtheria:	
Cook County.....	81
Lake County.....	9
Scattering.....	28
Influenza.....	79
Lethargic encephalitis—Cook County.....	1
Measles.....	929
Pneumonia.....	385
Poliomyelitis—Crawford County.....	1
Scarlet fever:	
Cook County.....	133
La Salle County.....	11
Scattering.....	73
Smallpox:	
Cook County.....	8
Lake County.....	10
Rock Island County.....	11
Scattering.....	14
Tuberculosis.....	300
Typhoid fever.....	24
Whooping cough.....	103

## INDIANA.

Cerebrospinal meningitis:	
Crawford County.....	1
Laporte County.....	1
Chicken pox.....	64
Diphtheria.....	29
Influenza.....	19
Measles.....	287
Pneumonia.....	6
Scarlet fever.....	70
Smallpox.....	99
Tuberculosis.....	37
Typhoid fever.....	6
Whooping cough.....	13

## IOWA.

Diphtheria.....	17
Scarlet fever.....	25
Smallpox.....	16
Typhoid fever.....	1

## KANSAS.

Cerebrospinal meningitis.....	5
Chicken pox.....	51
Diphtheria.....	26
German measles.....	4
Influenza.....	13
Measles.....	464
Mumps.....	172
Pellagra.....	1
Pneumonia.....	47
Scarlet fever.....	69
Smallpox.....	42
Tuberculosis.....	47
Typhoid fever.....	5
Whooping cough.....	63

LOUISIANA.		MASSACHUSETTS—continued.	
	Cases.		Cases.
Diphtheria.....	9	Trachoma.....	2
Hookworm disease.....	10	Tuberculosis (all forms).....	165
Influenza.....	22	Typhoid fever.....	10
Leprosy.....	2	Whooping cough.....	70
Malaria.....	15		
Measles.....	115	MICHIGAN.	
Paratyphoid fever.....	2	Diphtheria.....	130
Pellagra.....	11	Measles.....	588
Pneumonia.....	55	Pneumonia.....	108
Scarlet fever.....	7	Scarlet fever.....	251
Smallpox.....	12	Smallpox.....	222
Tuberculosis.....	37	Tuberculosis.....	100
Typhoid fever.....	11	Typhoid fever.....	15
Whooping cough.....	5	Whooping cough.....	60
MAINE.		MINNESOTA.	
Chicken pox.....	12	Chicken pox.....	94
Diphtheria.....	11	Diphtheria.....	70
German measles.....	40	Influenza.....	1
Influenza.....	3	Measles.....	107
Measles.....	95	Pneumonia.....	7
Mumps.....	62	Scarlet fever.....	177
Pneumonia.....	12	Smallpox.....	25
Scarlet fever.....	22	Tuberculosis.....	85
Smallpox.....	1	Typhoid fever.....	11
Tuberculosis.....	6	Whooping cough.....	5
Typhoid fever.....	9		
Vincent's angina.....	1	MISSISSIPPI.	
Whooping cough.....	25	Cerebrospinal meningitis.....	1
		Diphtheria.....	6
MARYLAND. <sup>1</sup>		Scarlet fever.....	10
Chicken pox.....	90	Smallpox.....	10
Diphtheria.....	26	Typhoid fever.....	2
Dysentery.....	2		
German measles.....	43	MISSOURI.	
Influenza.....	16	(Exclusive of Cape Girardeau.)	
Lethargic encephalitis.....	1	Chicken pox.....	45
Malaria.....	1	Diphtheria.....	53
Measles.....	257	Influenza.....	3
Mumps.....	47	Measles.....	212
Pneumonia (all forms).....	41	Mumps.....	125
Poliomyelitis.....	2	Pneumonia.....	9
Scarlet fever.....	81	Scarlet fever.....	115
Septic sore throat.....	3	Septic sore throat.....	1
Smallpox.....	7	Smallpox.....	7
Tuberculosis.....	57	Tetanus.....	1
Typhoid fever.....	11	Trachoma.....	42
Whooping cough.....	37	Tuberculosis.....	52
		Typhoid fever.....	3
MASSACHUSETTS.		Whooping cough.....	57
Cerebrospinal meningitis.....	4		
Chicken pox.....	136	MONTANA.	
Conjunctivitis (suppurative).....	15	Diphtheria.....	3
Diphtheria.....	127	Rocky mountain spotted fever:	
German measles.....	92	Ingomar.....	1
Influenza.....	9	Jordan R. F. D.....	1
Lethargic encephalitis.....	4	Silesia R. F. D.....	1
Measles.....	785	Whitefish.....	1
Mumps.....	280	Scarlet fever.....	15
Ophthalmia neonatorum.....	10	Smallpox.....	26
Pellagra.....	1	Typhoid fever.....	4
Pneumonia (lobar).....	94		
Scarlet fever.....	290	NEBRASKA.	
Septic sore throat.....	2	Chicken pox.....	30
Tetanus.....	1	Diphtheria.....	10
		Measles.....	69

<sup>1</sup> Week ended Friday.

## NEBRASKA—continued.

	Cases.
Mumps.....	7
Polioimyelitis.....	1
Scarlet fever.....	10
Smallpox.....	3
Whooping cough.....	2

## NEW JERSEY.

Cerebrospinal meningitis.....	5
Chicken pox.....	164
Diphtheria.....	67
Influenza.....	3
Malaria.....	5
Measles.....	684
Pneumonia.....	106
Polioimyelitis.....	1
Scarlet fever.....	150
Trachoma.....	2
Typhoid fever.....	12
Whooping cough.....	133

## NEW MEXICO.

Chicken pox.....	17
Conjunctivitis.....	1
Diphtheria.....	5
Influenza.....	1
Measles.....	141
Mumps.....	9
Paratyphoid fever.....	1
Pneumonia.....	3
Scarlet fever.....	12
Smallpox.....	1
Tuberculosis.....	11
Vincent's angina.....	1

## NEW YORK.

(Exclusive of New York City.)

Cerebrospinal meningitis.....	1
Diphtheria.....	130
Influenza.....	7
Lethargic encephalitis.....	2
Measles.....	1,096
Pneumonia.....	190
Polioimyelitis.....	2
Scarlet fever.....	269
Smallpox.....	16
Typhoid fever.....	35
Whooping cough.....	242

## NORTH CAROLINA.

Chicken pox.....	82
Diphtheria.....	19
German measles.....	4
Measles.....	651
Scarlet fever.....	46
Smallpox.....	124
Typhoid fever.....	11
Whooping cough.....	297

## OREGON.

Chicken pox.....	11
Diphtheria.....	10
Measles.....	96
Mumps.....	7
Pneumonia.....	13
Scarlet fever.....	18
Smallpox.....	9
Tuberculosis.....	22

1 Deaths.

## OREGON—continued.

	Cases.
Typhoid fever.....	1
Whooping cough.....	11

## SOUTH DAKOTA.

Chicken pox.....	5
Diphtheria.....	3
Measles.....	51
Pneumonia.....	2
Scarlet fever.....	15
Whooping cough.....	1

## TEXAS.

Chicken pox.....	44
Dengue.....	2
Diphtheria.....	52
Influenza.....	6
Lethargic encephalitis.....	1
Measles.....	140
Mumps.....	45
Ophthalmia neonatorum.....	1
Paratyphoid fever.....	3
Pellagra.....	3
Pneumonia.....	3
Scarlet fever.....	16
Smallpox.....	28
Trachoma.....	5
Tuberculosis.....	24
Typhoid fever.....	9
Whooping cough.....	20

## VERMONT.

Chicken pox.....	12
Diphtheria.....	2
Measles.....	80
Mumps.....	4
Scarlet fever.....	5
Smallpox.....	1
Whooping cough.....	27

## VIRGINIA.

Smallpox:	
Amherst County.....	1
Isle of Wight County.....	1
Fairfax County.....	1

## WASHINGTON.

Chicken pox.....	134
Diphtheria.....	17
Measles.....	119
Mumps.....	14
Pneumonia.....	1
Scarlet fever:	
Seattle.....	16
Spokane.....	19
Scatterling.....	14
Smallpox:	
Cowlitz County.....	33
Scatterling.....	36
Tuberculosis.....	19
Typhoid fever.....	2
Whooping cough.....	8

## WEST VIRGINIA.

Diphtheria.....	5
Scarlet fever.....	20
Smallpox.....	2
Typhoid fever.....	4

WISCONSIN.		WISCONSIN—continued.	
Milwaukee:	Cases.	Scattering—Continued.	Cases.
Cerebrospinal meningitis.....	1	Ophthalmia neonatorum.....	1
Chicken pox.....	99	Pneumonia.....	17
Diphtheria.....	16	Scarlet fever.....	138
German measles.....	1	Smallpox.....	15
Influenza.....	1	Tuberculosis.....	12
Measles.....	33	Typhoid fever.....	13
Pneumonia.....	4	Whooping cough.....	162
Scarlet fever.....	10		
Tuberculosis.....	30		
Typhoid fever.....	1		
Whooping cough.....	19		
Scattering:			
Cerebrospinal meningitis.....	1		
Chicken pox.....	100		
Diphtheria.....	30		
German measles.....	59		
Influenza.....	16		
Measles.....	248		

## Report for Week ended May 17, 1924.

NORTH DAKOTA.		NORTH DAKOTA—continued.	
	Cases.		Cases.
Chicken pox.....	19	Smallpox.....	13
Diphtheria.....	3	Tuberculosis.....	2
Measles.....	52	Typhoid fever.....	19
Pneumonia.....	10	Whooping cough.....	16
Scarlet fever.....	35		

## SUMMARY OF MONTHLY REPORTS FROM STATES.

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week.

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Marin.	Measles.	Fellagra.	Polio-myelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
<i>March, 1924.</i>										
California.....	7	1,018	152	8	6,016	3	9	1,170	1,196	304
<i>April, 1924.</i>										
Alabama.....	4	35	279	122	1,705	25		31	274	41
Arizona.....		23	4		417			42	3	3
District of Columbia.....	0	35	6		90	1	1	165	15	4
Idaho.....		13						28		2
Illinois.....	7	577	102	1	3,606			1,148	111	58
Indiana.....	9	214	142		2,494			432	604	41
Louisiana.....	5	104	41	26	753	10	1	65	55	43
Maine.....	3	45	9			1		129	9	12
Maryland.....	0	137	193	6	1,368		3	619	18	30
Massachusetts.....	9	675	53	5	4,196	1	7	1,723		31
Minnesota.....	1	199	5		844		1	1,009	269	39
Mississippi.....	2	66	1,295	4,595	4,417	456	0	27	121	59
Missouri.....	6	192	114	0	1,567	0	0	508	65	11
New Jersey.....	11	391	115	2	3,410		3	741	20	24
New York.....	31	1,426	363	6	14,352		7	2,936	13	110
North Carolina.....	2	99			6,294		1	223	661	25
Pennsylvania.....	9	995			2,892		1	1,678	18	55
Rhode Island.....	0	70	1	0	74	0	0	508		3
South Carolina.....	1	134	37	103	331	5		8	73	10
South Dakota.....	1	49	9		906			250	10	2
Washington.....	5	121			822			214	253	21
West Virginia.....	4	64	179		394		1	95	47	25
Wisconsin.....	8	179	317	0	1,559	0	1	1,005	135	23

**Number of Cases of Certain Communicable Diseases Reported for the Month of February, 1924, by State Health Officers.**

State.	Chicken-pox.	Diphtheria.	Measles.	Mumps.	Scarlet fever.	Small-pox.	Tuberculosis.	Typhoid fever.	Whooping cough.
Alabama	283	58	3,064	185	32	128		44	315
Arizona	19	11	436	15	24	4	43	2	7
Arkansas	121	32	1,336		28	51	47	28	200
California	2,131	1,059	5,013	223	1,176	1,436	826	111	359
Colorado	198	128	2,340	173	228	6	285	17	71
Connecticut	376	229	829	495	746	7	147	6	188
Delaware	20	24	11	5	54	1	18	2	25
District of Columbia	265	30	42		175	25	107	1	39
Florida	50	62	815	27	11	19	58	48	62
Georgia	115	54	1,179	72	33	424	62	13	238
Idaho		5			48	6		3	
Illinois	1,476	796	2,296	1,490	1,317	45	1,077	72	620
Indiana	450	323	2,274		464	374		25	396
Iowa	74	89	1,312	203	275	42		(1)	47
Kansas	551	157	4,995	1,023	335	194	178	12	441
Kentucky <sup>1</sup>									
Louisiana	92	80	2,334	6	29	80		50	94
Maine		39			116			11	
Maryland	842	137	707	139	570	3	189	30	171
Massachusetts	1,260	849	3,553	1,410	2,076	2	566	32	461
Michigan	1,030	632	2,344	839	1,510	549		26	224
Minnesota	730	306	1,416		1,234	277	285	18	111
Mississippi	967	86	7,613	577	25	102	327	88	1,342
Missouri	255	291	2,729	281	580	51	179	17	263
Montana	74	52	1,982	1	131	108	55	7	62
Nebraska <sup>1</sup>									
Nevada <sup>1</sup>									
New Hampshire <sup>1</sup>									
New Jersey	1,362	422	1,918		776	14	418	28	385
New Mexico	74	73	438	38	48	5	84	9	31
New York	2,895	1,524	9,956	1,715	2,760	49	1,376	131	2,005
North Carolina	855	157	8,098		185	688		9	1,708
North Dakota	51	54	1,149	1	231	42	17	2	73
Ohio	1,608	724	1,122	1,387	1,751	514	511	47	1,050
Oklahoma <sup>1</sup>									
Oregon	78	115	1,288	22	111	103	53	7	13
Pennsylvania	3,389	1,449	2,981	2,504	2,298	11	464	127	1,411
Rhode Island	41	69	6	54	410		38		46
South Carolina	42	111	1,348	202		50	8	6	107
South Dakota	148	35	1,582	32	275	6	15	7	69
Tennessee	316	65	1,873		52	714		23	394
Texas <sup>1</sup>									
Utah <sup>1</sup>									
Vermont	137	25	736	81	82	11		1	209
Virginia	996	219	3,235		213	33		41	2,163
Washington	272	136	6,101	222	239	215	173	25	76
West Virginia	170	112	91		128	54	61	71	472
Wisconsin	713	260	1,817	209	1,357	96	196	23	609
Wyoming	59	7	384	13	21		6	4	24

<sup>1</sup> Report not required by law.<sup>2</sup> Reports received weekly.<sup>3</sup> Report not received at time of going to press.<sup>4</sup> Reports received annually.

## Case Rates per 1,000 Population (Annual Basis) for the Month of February, 1924.

State.	Chicken-pox.	Diphtheria.	Mumps.	Scarlet fever.	Small-pox.	Tuberculosis.	Typhoid fever.	Whooping cough.
Alabama	1.46	0.30	15.97	0.95	0.17	0.66	0.23	1.63
Arizona	.61	.35	13.95	.48	.77	.13	.06	.22
Arkansas	.83	.22	9.19		.19	.35	.32	1.38
California	6.87	3.42	16.17	.72	3.79	4.63	2.66	1.16
Colorado	2.49	1.61	29.39	2.17	2.86	.08	3.58	.21
Connecticut	3.16	1.92	6.96	4.15	6.26	.06	1.23	.65
Delaware	1.09	1.30	.60	.27	2.93	.05	.08	.11
District of Columbia	7.64	.87	1.21		5.05	.72	3.09	.63
Florida	.59	.73	9.63	.32	.13	.22	.69	.57
Georgia	.48	.23	4.91	.30	.14	1.77	.26	.05
Idaho		.13			1.26	.16		.08
Illinois	2.71	1.46	4.21	2.73	2.42	.08	1.98	.13
Indiana	1.87	1.34	9.45		1.93	1.55		.10
Iowa	.38	.45	6.66	1.03	1.40	.21		.24
Kansas	3.85	1.10	34.91	7.15	2.34	1.36	1.24	.08
Kentucky <sup>2</sup>								
Louisiana	.62	.54	15.80	.04	.20	.54		.34
Maine		.63			1.88			.18
Maryland	6.99	1.14	5.87	1.15	4.73	.02	1.57	.25
Massachusetts	3.90	2.63	11.00	4.36	6.43	.01	1.75	.10
Michigan	3.20	1.96	7.28	2.60	4.69	1.70		.08
Minnesota	3.64	1.53	7.06		6.15	1.38	1.42	.09
Mississippi	6.82	.61	53.66	4.07	.18	.72	2.30	.62
Missouri	.93	1.06	9.97	1.03	2.12	.19	.65	.06
Montana	1.48	1.04	39.77	.02	2.63	2.17	1.12	.14
Nebraska <sup>3</sup>								
Nevada <sup>2</sup>								
New Hampshire <sup>4</sup>								
New Jersey	4.99	1.55	7.03		2.84	.05	1.53	.10
New Mexico	2.49	2.45	14.71	1.28	1.61	.17	2.82	.30
New York	3.33	1.75	11.45	1.97	3.17	.06	1.58	.15
North Carolina	3.96	.73	37.54		.86	3.18		.04
North Dakota	.95	1.00	21.35	.02	4.29	.78	.32	.04
Ohio	3.26	1.47	2.28	2.81	3.55	1.04	1.04	.10
Oklahoma <sup>3</sup>								
Oregon	1.18	1.74	19.48	.33	1.68	1.56	.80	.11
Pennsylvania	4.64	1.99	4.09	3.43	3.15	.02	.64	.17
Rhode Island	.82	1.38	.12	1.08	8.17		.76	
South Carolina	.30	.80	9.66	1.45		.36	.06	.04
South Dakota	2.83	.67	30.21	.61	5.25	.11	.29	.13
Tennessee	1.66	.34	9.81		.27	3.74		.12
Texas <sup>2</sup>								
Utah <sup>4</sup>								
Vermont	4.91	.93	26.36	2.90	2.94	.39		.04
Virginia	5.19	1.14	16.84		1.11	.17		.21
Washington	2.36	1.18	52.88	1.92	2.07	1.86	1.50	.22
West Virginia	1.36	.90	.73		1.02	.43	.49	.57
Wisconsin	3.25	1.18	8.28	1.23	6.18	.44	.89	.10
Wyoming	3.43	.41	22.35	.76	1.22		.35	.23

<sup>1</sup> Report not required by law.<sup>2</sup> Reports received weekly.<sup>3</sup> Report not received at time of going to press.<sup>4</sup> Reports received annually.

## RECIPROCAL NOTIFICATION, MARCH AND APRIL, 1924.

Cases of communicable diseases referred during March and April, 1924, to other State health departments by departments of health of certain States.

Referred by—	Dysentery.	Scarlet fever.	Small-pox.	Tuberculosis.	Typhoid fever.
<i>March.</i>					
Connecticut		1		1	1
Illinois				11	
Massachusetts					1
Minnesota				27	
New York		1	1		
<i>April.</i>					
Connecticut				1	1
Illinois				11	
Massachusetts					1
Minnesota				24	6
New Jersey		1	1		
New York	1	3	2		

**GENERAL CURRENT SUMMARY AND WEEKLY REPORTS FROM CITIES.**

*Diphtheria.*—For the week ended May 10, 1924, 35 States reported 1,538 cases of diphtheria. For the week ended May 12, 1923, the same States reported 1,377 cases. One hundred and one cities situated in all parts of the country and having an aggregate population of about 28,600,000 reported 877 cases of diphtheria for the week ended May 10, 1924. Last year for the corresponding week they reported 867 cases. The estimated expectancy for these cities was 1,012 cases. The estimated expectancy was based on the experience of the last nine years, excluding epidemics.

*Measles.*—Twenty-nine States reported 10,944 cases of measles for the week this year, and 22,251 cases for the week last year. One hundred and one cities reported 4,444 cases of measles for the week this year, and 10,236 cases last year.

*Scarlet fever.*—Scarlet fever was reported for the week as follows: Thirty-five States—this year, 3,241 cases; last year, 2,872 cases. One hundred and one cities—this year, 1,541 cases; last year, 1,555 cases; estimated expectancy, 952 cases.

*Smallpox.*—During the first 17 weeks of this year, 105 cities reported 7,926 cases of smallpox. This represents many days of illness, much suffering, and 42 deaths, which might have been avoided by vaccination and revaccination. The disease was not evenly distributed, more than half of the cases being reported from a few cities. During the first four months of the year 42 deaths from smallpox were reported by 105 cities, but during the three weeks ended May 17, 1924, the city of Detroit reported 37 deaths from this disease.

For the week ended May 10, 1924, 35 States reported 1,251 cases of smallpox. For the corresponding week of last year, they reported 545 cases. One hundred and one cities reported smallpox for the week as follows: 1924, 472 cases; 1923, 105 cases; estimated expectancy, 181 cases.

## City reports for week ended May 10, 1924.

The "estimated expectancy" given for diphtheria, poliomyelitis, scarlet fever, smallpox, and typhoid fever is the result of an attempt to ascertain from previous occurrence how many cases of the disease under consideration may be expected to occur during a certain week in the absence of epidemics. It is based on reports to the Public Health Service during the past nine years. It is in most instances the median number of cases reported in the corresponding week of the preceding years. When the reports include several epidemics, or when for other reasons the median is unsatisfactory, the epidemic periods are excluded and the estimated expectancy is the mean number of cases reported for the week during nonepidemic years.

If reports have not been received for the full nine years, data are used for as many years as possible, but no year earlier than 1915 is included. In obtaining the estimated expectancy, the figures are smoothed when necessary to avoid abrupt deviations from the usual trend. For some of the diseases given in the table the available data were not sufficient to make it practicable to compute the estimated expectancy.

Division, State, and city.	Chick- en pox, cases re- ported.	Diphtheria.		Influenza.		Meas- les, cases re- ported.	Mumps, cases re- ported.	Pneu- monia, deaths re- ported.	Scarlet fever.	
		Cases, esti- mated ex- pectancy.	Cases re- ported.	Cases re- ported.	Deaths re- ported.				Cases, esti- mated ex- pectancy.	Cases re- ported.
NEW ENGLAND.										
Maine:										
Lewiston.....	1	1	0	0	0	12	1	2	5	0
Portland.....		1	0	1	0	4		4	2	1
New Hampshire:										
Concord.....	0	1	0	0	0	14	0	0	1	0
Vermont:										
Barre.....	0	1	0	0	0	0	0	0	1	1
Burlington.....	1	0	2	0	0	7	0	3	1	0
Massachusetts:										
Boston.....	43	56	46	4	1	193	26	26	50	99
Fall River.....	0	3	7	0	0	38	5	4	3	5
Springfield.....	2	4	2	1	1	43	9	0	5	0
Worcester.....		3	12	0	0	8		5	6	20
Rhode Island:										
Pawtucket.....	0	0	2	0	0	0	4	1	1	5
Providence.....	5	10	6	0	0	4	0	6	10	39
Connecticut:										
Bridgeport.....	0	5	3	0	0	0	3	3	4	3
Hartford.....		5	4	0	0	27		3	4	23
New Haven.....	22	4	1	0	0	8	30	3	5	14
MIDDLE ATLANTIC.										
New York:										
Buffalo.....	0	10	12	0	0	29	0	0	20	18
New York.....	200	306	252	16	12	1,399	225	213	195	278
Rochester.....	6	8	0		2	18	10	4	10	14
Syracuse.....	20	8	12	0	0	59	12	8	12	26
New Jersey:										
Camden.....		3	6	0	0	1		6	2	6
Newark.....	32	17	15	10	2	155	80	8	17	27
Trenton.....	0	4	4	1	2	39	0	7	4	0
Pennsylvania:										
Philadelphia.....	71	64	67		6	148	144	51	61	77
Pittsburgh.....	32	19	23		8	37	100	33	22	23
Reading.....	6	2	4	0	0	3	59	2	2	1
E. NORTH CENTRAL.										
Ohio:										
Cincinnati.....	16	10	5	0	0	99	15	10	11	13
Cleveland.....	70	19	17	1	0	138	289	21	26	13
Columbus.....	4	3	3		1	2	5	4	5	4
Toledo.....	42	4	2	0	0	68	3	4	11	24
Indiana:										
Fort Wayne.....		3	1	0	0	42		2	1	5
Indianapolis.....		7	2		1	92		6	19	3
South Bend.....	1	1	0	0	0	7	0	2	3	17
Terre Haute.....	7	1	0	0	0	3	0	2	3	8
Illinois:										
Chicago.....	59	116	70	8	5	283	82	50	96	117
Cicero.....	2	2	0	0	0	3	8	1	1	0
Peoria.....		1	0	0	0	1		1	3	1
Springfield.....	8	1	0	1	0	6	1	1	1	2
Michigan:										
Detroit.....	65	60	40	2	3	139	87	45	71	88
Flint.....	18	4	6	0	0	6	46	1	5	5
Grand Rapids.....	7	4	1	0	0	5	33	3	7	3

## City reports for week ended May 10, 1924—Continued.

Division, State, and city.	Chick- en pox, cases re- ported.	Diphtheria.		Influenza.		Mea- sles, cases re- ported.	Mumps, cases re- ported.	Pneu- monia, deaths re- ported.	Scarlet fever.	
		Cases, esti- mated expect- ancy.	Cases re- ported.	Cases re- ported.	Deaths re- ported.				Cases, esti- mated expect- ancy.	Cases re- ported.
E. NORTH CENTRAL— continued.										
Wisconsin:										
Madison.....	12	1	0	0	0	1	7	0	3	5
Milwaukee.....	60	12	9	0	0	34	29	0	29	26
Racine.....	12	1	2	0	0	1	1	2	4	8
Superior.....	1	1	1	0	0	1	0	0	1	1
W. NORTH CENTRAL.										
Minnesota:										
Duluth.....	2	2	0	0	0	12	1	0	3	10
Minneapolis.....	64	15	10		1	42	3	7	26	60
St. Paul.....		13							17	
Iowa:										
Des Moines.....	0	2	3	0		0	0		12	3
Sioux City.....	1	1	3	0		0	0		3	1
Waterloo.....	7	0	0	0		6	6		3	1
Missouri:										
Kansas City.....	15	8	5	0	0	62	42	8	0	12
St. Joseph.....	10	2	2	0	0	2	3	3	3	2
St. Louis.....	27	48	23		1	79	65		26	76
North Dakota:										
Fargo.....	0	0	0	0	0	0	0	2	0	2
Grand Forks.....	0	1	0	0	0	8	0	0	1	1
South Dakota:										
Aberdeen.....	2		0	0	0	35	0	0		0
Sioux Falls.....	1	0	0	0	0	1	0	0	1	2
Nebraska:										
Lincoln.....		1	3	0	0	3	0	0	2	0
Omaha.....	10	4	0	0	0	21		9	9	4
Kansas:										
Topeka.....	11	1	2	0	0	12	5	2	2	3
Wichita.....	1	1	3	0	0	5	44	3	2	2
SOUTH ATLANTIC.										
Delaware:										
Wilmington.....		1							3	
Maryland:										
Baltimore.....	90	19	13	11	3	205	23	32	22	64
Cumberland.....	3	1	0	0	0	0	0	1	1	0
Frederick.....	0	0	0	0	0	2	0	0	0	7
Dist. of Columbia:										
Washington.....	38	12	5	1	1	29		19	16	38
Virginia:										
Lynchburg.....	0	1	2	0	0	2	4	1	1	0
Norfolk.....	7	1	0	0	0	22	6	5	2	0
Richmond.....	11	2	2		1	142	1	1	3	5
Roanoke.....	3	1	0	0	0	1	0	1	1	1
West Virginia:										
Charleston.....	0	2	0	0	0	4	12	1	1	0
Huntington.....	0	0	0	0	0	0	0	4	1	0
Wheeling.....		1	0	0	0	8		4	2	2
North Carolina:										
Raleigh.....	39	1	1		1	6	0	1	0	1
Wilmington.....	9	0	0	0	0	23	3	4	0	0
Winston-Salem.....		1	0	0	0	3		0	0	24
South Carolina:										
Charleston.....	1	0	0	0	0	0	0	4	0	0
Columbia.....	4	0	1	0	0	2	6	1	0	0
Greenville.....	0	0	0	0	0	2	4	0	0	1
Georgia:										
Atlanta.....	0	1	2	3	0	0	5	15	3	9
Brunswick.....	0	0	1	0	0	1	1	0	0	0
Savannah.....	1	1	0		1	3	0	3	0	0
Florida:										
St. Petersburg.....	2		0	0	0	0	0	0		0
Tampa.....	0	2	0	0	0	0	0	0	0	0

## City reports for week ended May 10, 1924—Continued.

Division, State, and city.	Chick- en pox, cases re- ported.	Diphtheria.		Influenza.		Meas- les, cases re- ported.	Mumps, cases re- ported.	Pneu- monia, deaths re- ported.	Scarlet fever.	
		Cases, esti- mated expect- ancy.	Cases re- ported.	Cases re- ported.	Deaths re- ported.				Cases, esti- mated expect- ancy.	Cases re- ported.
E. SOUTH CENTRAL.										
Kentucky:										
Covington.....	0	1	0	0	0	19	1	1	1	0
Lexington.....	0	0	0	0	0	6	1	3	1	0
Louisville.....	5	6	2	1	0	4	9	12	4	5
Tennessee:										
Memphis.....	8	3	2	0	0	10	50	6	3	13
Nashville.....	7	1	1	0	0	15	0	1	1	1
Alabama:										
Birmingham.....	8	1	2	5	2	20	25	7	2	0
Mobile.....	0	1	0	0	0	2	0	1	0	0
Montgomery.....		1	1		2	3		1	0	0
W. SOUTH CENTRAL.										
Arkansas:										
Fort Smith.....	0	1	0	0		27	4		1	0
Little Rock.....	0	0	1	0	0	8	0	2	1	0
Louisiana:										
New Orleans.....	7	6	11	0	0	24	0	9	3	14
Shreveport.....	2		0	0	0	0	1	2		0
Oklahoma:										
Oklahoma.....	0	1	1	0	0	2	0		2	1
Tulsa.....	3	1	0	0		8	1		0	0
Texas:										
Dallas.....	11	2	9	0	0	6	21	3	1	0
Galveston.....	0	0	0	0	0	1	0	0	0	0
Houston.....	2	3	4	0	0	2	0	2	1	1
San Antonio.....		2							1	
MOUNTAIN.										
Montana:										
Billings.....	1	1	0	0	0	7	0	0	1	0
Great Falls.....	1	1	0	0	0	3	0	1	1	2
Helena.....			0	0	0	0	0	0		16
Missoula.....	0	0	2	0	0	0	0	0	1	1
Idaho:										
Boise.....	4	0	1	0	0	3	0	0	1	1
Colorado:										
Denver.....		9			1			14	10	
Pueblo.....	1	1	1	0	0	3	0	2	1	2
New Mexico:										
Albuquerque.....	4	3	0	0	0	11	0	0	1	0
Utah:										
Salt Lake City.....	7	3	3	0	0	23	6	7	3	0
Nevada:										
Reno.....	0	0	0	0	0	3	0	0	0	0
PACIFIC.										
Washington:										
Seattle.....	24	4	16	0		9	1		5	8
Spokane.....		2							4	
Tacoma.....	10	2	1	0		3	6		2	2
Oregon:										
Portland.....	2	3	6	0	0	2	3	7	8	6
California:										
Los Angeles.....	87	27	40	9	0	287	5	21	12	41
Sacramento.....	2	1	7		1	13	0	1	2	2
San Francisco.....		15							13	

## City reports for week ended May 10, 1924—Continued.

Division, State, and city.	Popula- tion, July 1, 1923, estimated.	Smallpox.				Tuberculosis, deaths reported.	Typhoid fever.			Whooping cough, cases reported.	Deaths, all causes.
		Cases, estimated expectancy.	Cases reported.	Deaths reported.	Cases, estimated expectancy.		Cases reported.	Deaths reported.			
NEW ENGLAND.											
• Maine:											
Lewiston.....	33,790	0	0	0	0	0	0	0	0	0	14
Portland.....	73,129	0	0	0	0	2	0	0	0	0	31
New Hampshire:											
Concord.....	22,408	0	0	0	0	0	0	0	0	0	6
Vermont:											
Barre.....	* 10,008	0	0	0	0	0	0	0	0	1	0
Burlington.....	23,613	0	0	0	0	1	0	0	0	0	19
Massachusetts:											
Boston.....	770,400	0	0	0	21	2	7	0	13	216	
Fall River.....	120,912	0	0	0	4	0	1	0	2	38	
Springfield.....	144,227	0	0	0	2	0	0	0	0	31	
Worcester.....	191,927	0	0	0	1	0	0	0	0	49	
Rhode Island:											
Pawtucket.....	68,799	0	0	0	0	0	0	0	0	17	
Providence.....	242,378	0	0	0	4	1	0	0	2	76	
Connecticut:											
Bridgeport.....	* 143,555	0	0	0	2	0	0	0	2	26	
Hartford.....	* 138,036	0	0	0	1	0	0	0	0	25	
New Haven.....	172,967	0	0	0	3	1	1	2	1	43	
MIDDLE ATLANTIC.											
New York:											
Buffalo.....	536,718	0	0	0	6	1	0	0	29	141	
New York.....	5,927,625	0	0	0	136	12	16	1	177	1,563	
Rochester.....	317,867	0	0	0	5	0	2	0	6	82	
Syracuse.....	184,511	0	0	0	2	0	1	0	0	49	
New Jersey:											
Camden.....	124,157	0	0	0	2	0	0	0	0	32	
Newark.....	438,699	0	0	0	5	1	0	0	27	106	
Trenton.....	127,390	0	0	0	0	0	0	0	4	45	
Pennsylvania:											
Philadelphia.....	1,922,788	0	0	0	44	8	6	0	71	495	
Pittsburgh.....	613,442	0	0	0	6	2	0	0	61	160	
Reading.....	110,917	0	0	0	0	0	0	0	8	32	
EAST NORTH CENTRAL.											
Ohio:											
Cincinnati.....	406,312	2	3	0	12	2	0	0	28	113	
Cleveland.....	888,519	2	4	0	15	3	1	0	104	145	
Columbus.....	261,082	1	16	0	3	1	1	1	5	68	
Toledo.....	268,338	5	54	0	3	1	0	0	29	67	
Indiana:											
Fort Wayne.....	93,573	3	6	0	3	0	1	0	0	27	
Indianapolis.....	342,718	6	38	0	8	0	0	0	0	115	
South Bend.....	76,709	0	0	0	1	0	0	0	0	19	
Terre Haute.....	68,939	0	0	0	0	0	1	0	2	20	
Illinois:											
Chicago.....	2,886,121	2	5	0	56	4	3	2	44	677	
Cicero.....	55,968	0	0	0	0	0	0	0	2	9	
Peoria.....	70,675	2	0	0	2	0	0	0	0	17	
Springfield.....	61,833	1	1	0	0	1	0	0	5	24	
Michigan:											
Detroit.....	995,668	10	70	13	19	4	1	1	28	319	
Flint.....	117,968	2	15	1	1	0	1	0	2	13	
Grand Rapids.....	145,947	0	0	0	2	0	0	0	5	35	
Wisconsin:											
Madison.....	42,519	1	0	0	0	0	0	0	15	6	
Milwaukee.....	484,595	4	0	0	14	1	0	0	30	112	
Racine.....	64,393	2	1	0	2	0	0	0	1	17	
Superior.....	* 39,671	2	6	0	0	0	0	0	0	6	
WEST NORTH CENTRAL.											
Minnesota:											
Duluth.....	106,289	2	4	0	1	0	0	0	2	14	
Minneapolis.....	409,125	17	4	0	7	1	1	0	0	99	
St. Paul.....	241,891	9	0	0	0	0	0	0	0	0	

\* Population Jan. 1, 1920.

† Pulmonary only.

## City reports for week ended May 10, 1924—Continued.

Division, State, and city.	Popula- tion, July 1, 1923, estimated.	Smallpox.			Tuberculosis, deaths reported.	Typhoid fever.			Whooping cough, cases reported.	Deaths, all causes.
		Cases, estimated expectancy.	Cases reported.	Deaths reported.		Cases, estimated expectancy.	Cases reported.	Deaths reported.		
WEST NORTH CENTRAL—continued										
Iowa:										
Des Moines	140,923	4	5			0	0		0	
Sioux City	79,662	2	0			0	0		0	
Waterloo	39,667	0	0			0	0		7	
Missouri:										
Kansas City	351,819	8	0	0	6	1	0	0	18	96
St. Joseph	78,232	8	0	0	1	0	0	0	0	24
St. Louis	803,853	8	2	0	18	2	0	0	34	205
North Dakota:										
Fargo	24,841	0	1	0	1	0	0	0	0	9
Grand Forks	14,547	1	0	0	0	0	0	0	0	
South Dakota:										
Aberdeen	15,829		0	0	0		0	0	0	
Sioux Falls	29,206	1	0	0	0	0	0	0	0	4
Nebraska:										
Lincoln	58,761	4	0	0	0	0	0	0		16
Omaha	204,382	9	3	0	2	0	0	0		46
Kansas:										
Topeka	82,555	1	0	0	1	0	0	0	0	12
Wichita	79,261	6	4	0	2	0	0	0	4	20
SOUTH ATLANTIC.										
Delaware:										
Wilmington	117,728	0				1				
Maryland:										
Baltimore	773,580	0	1	0	27	4	4	2	27	231
Cumberland	32,361	0	0	0	1	0	0	0	5	15
Frederick	11,301	0	0	0	0	0	0	0	0	7
District of Columbia:										
Washington	*437,571	1	16	0	0	2	1	0	0	126
Virginia:										
Lynchburg	30,277	0	0	0	0	1	0	0	3	4
Norfolk	159,689	1	0	0	4	0	0	0	6	
Richmond	181,044	0	0	0	4	1	0	0	11	51
Roanoke	55,502	2	0	0	1	0	0	0	2	13
West Virginia:										
Charleston	45,567	0	0	0	1	0	1	0	0	5
Huntington	57,918	0	1	0	3	0	0	0	0	21
Wheeling	*56,206	0	0	0	0	1	1	2		22
North Carolina:										
Raleigh	29,171	0	9	0	1	0	0	0	2	8
Wilmington	35,719	0	0	0	1	0	0	0	0	20
Winston-Salem	56,230	3	15	1	3	0	0	0		21
South Carolina:										
Charleston	71,245	0	2	0	2	1	1	0	0	29
Columbia	39,688	1	0	0	0	1	0	0	0	17
Greenville	25,789	0	6	0	2	0	1	0	4	9
Georgia:										
Atlanta	222,963	4	44	1	10	0	0	0	1	82
Brunswick	15,937	0	0	0	0	0	1	0	0	6
Savannah	69,448	0	2	0	2	0	1	0	1	28
Florida:										
St. Petersburg	24,403		0	0	0		0	0	1	2
Tampa	56,050	0	0	0	1	1	0	0	0	14
EAST SOUTH CENTRAL.										
Kentucky:										
Covington	57,877	0	0	0	2	0	0	1	0	20
Lexington	43,673	0	0	0	0	0	0	0	2	15
Louisville	257,671	1	0	0	6	1	1	0	2	88
Tennessee:										
Memphis	170,067	2	0	0	4	1	1	0	0	46
Nashville	121,128	1	1	0	3	1	1	0	6	26
Alabama:										
Birmingham	195,901	1	19	0	10	2	0	1	0	70
Mobile	63,858	1	0	0	1	0	0	0	0	12
Montgomery	45,383	1	0	0	0	0	0	0		16

\*Population Jan. 1, 1920.

## City reports for week ended May 10, 1924—Continued.

Division, State, and city.	Popula- tion, July 1, 1923, estimated.	Smallpox.			Tuberculosis, deaths reported.	Typhoid fever.			Whooping cough, cases reported.	Deaths, all causes.
		Cases, estimated expectancy.	Cases reported.	Deaths reported.		Cases, estimated expectancy.	Cases reported.	Deaths reported.		
WEST SOUTH CENTRAL.										
Arkansas:										
Fort Smith.....	30,635	1	0			0	0		5	
Little Rock.....	70,916	0	1	0	6	0	0	0	0	
Louisiana:										
New Orleans.....	404,575	3	0	0	20	2	2	1	0	135
Shreveport.....	54,590		0	0	2		1	0	0	27
Oklahoma:										
Oklahoma.....	101,150	5	1	0	0	0	0	0	0	18
Tulsa.....	102,018	3	8			0	2		6	
Texas:										
Dallas.....	177,274	5	0	0	5	0	0	0	2	42
Galveston.....	46,877	1	0	0	2	1	0	0	0	11
Houston.....	154,970	0	0	0	3	0	0	0	0	43
San Antonio.....	184,727	0				1				
MOUNTAIN.										
Montana:										
Billings.....	16,927	1	2	0	0	0	0	0	0	7
Great Falls.....	27,787	4	1	0	1	0	0	0	3	5
Helena.....	*12,037		0	0	1		0	0		4
Missoula.....	*12,608	0	3	0	0	0	0	0	0	6
Idaho:										
Boise.....	22,806	1	0	0	0	0	0	0	0	6
Colorado:										
Denver.....	272,031	10			14	0				94
Pueblo.....	43,519	0	0	0	1	0	0	0	0	8
New Mexico:										
Albuquerque.....	16,648	0	0	0	3	0	0	0	0	7
Utah:										
Salt Lake City.....	126,241	6	0	0	0	1	0	0	7	31
Nevada:										
Reno.....	12,429	0	0	0	0	0	3	0	1	1
PACIFIC.										
Washington:										
Seattle.....	*315,685	6	3			0	1		4	
Spokane.....	104,573	9				0				
Tacoma.....	101,731	2	1			0	0		0	
Oregon:										
Portland.....	273,621	5	4	0	5	0	1	1	0	74
California:										
Los Angeles.....	666,853	3	113	0	29	2	0	0	3	241
Sacramento.....	69,950	0	0	0	2	0	1	1	3	24
San Francisco.....	539,038	1				2				

\*Population Jan. 1, 1920

## City reports for week ended May 10, 1924—Continued.

Division, State, and city.	Cerebrospinal meningitis.		Lethargic encephalitis.		Pellagra.		Poliomyelitis (infantile paralysis).		
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases, est. expectancy.	Cases.	Deaths.
<b>NEW ENGLAND.</b>									
Massachusetts:									
Boston.....	0	0	1	0	1	1	0	0	0
<b>MIDDLE ATLANTIC.</b>									
New York:									
Buffalo.....	0	0	0	0	0	0	0	1	1
New York.....	0	1	12	3	0	0	1	0	1
Rochester.....	0	0	0	1	0	0	0	0	0
New Jersey:									
Newark.....	1	1	2	0	0	0	0	0	0
Trenton.....	0	0	0	0	0	0	0	1	0
Pennsylvania:									
Philadelphia.....	1	2	3	0	0	0	0	0	0
Pittsburgh.....	1	0	0	0	0	0	0	0	0
<b>EAST NORTH CENTRAL.</b>									
Ohio:									
Cleveland.....	0	0	1	0	0	0	0	1	0
Toledo.....	1	1	0	0	0	0	0	0	0
Illinois:									
Chicago.....	1	0	0	0	0	0	0	0	0
Michigan:									
Detroit.....	4	0	0	0	0	0	0	0	0
Wisconsin:									
Milwaukee.....	1	0	0	0	0	0	0	0	0
<b>WEST NORTH CENTRAL.</b>									
Kansas:									
Topeka.....	0	0	0	0	1	1	0	0	0
<b>SOUTH ATLANTIC.</b>									
Maryland:									
Baltimore.....	1	0	3	1	0	0	0	1	0
North Carolina:									
Winston-Salem.....	0	1	0	0	0	3	0	0	0
Georgia:									
Brunswick.....	0	0	0	0	0	1	0	0	0
<b>EAST SOUTH CENTRAL.</b>									
Kentucky:									
Lexington.....	0	0	0	0	0	1	0	0	0
Louisville.....	0	0	0	0	0	0	0	1	0
Alabama:									
Montgomery.....	0	0	0	0	0	1	0	0	0
<b>WEST SOUTH CENTRAL.</b>									
Texas:									
Houston.....	0	0	0	0	0	1	0	0	0
<b>MOUNTAIN.</b>									
New Mexico:									
Albuquerque.....	0	0	1	1	0	0	0	0	0
<b>PACIFIC.</b>									
California:									
Los Angeles.....	1	0	1	1	0	0	0	1	0

The following table gives a summary of the reports from 105 cities for the nine-week period ended May 10, 1924. The cities included in this table are those whose reports have been published for all nine weeks in the Public Health Reports. Eight of these cities did

not report deaths. The aggregate population of the cities reporting cases was estimated at nearly 29,000,000 on July 1, 1923, which is the latest date for which estimates are available. The cities reporting deaths had more than 28,000,000 population on that date. The number of cities included in each group and the aggregate population are shown in a separate table below.

*Summary of weekly reports from cities, March 9 to May 10, 1924.*

DIPHTHERIA CASES.

	1924, week ended—								
	Mar. 15.	Mar. 22.	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.
Total.....	1,053	1,113	1,038	1,039	1,006	1,009	988	897	887
New England.....	110	135	103	105	102	99	111	97	83
Middle Atlantic.....	401	415	391	383	384	374	400	344	395
East North Central.....	234	229	200	219	210	211	156	173	157
West North Central.....	77	86	66	74	60	60	71	68	161
South Atlantic.....	37	61	42	61	52	52	50	240	231
East South Central.....	12	17	10	17	8	14	13	6	8
West South Central.....	18	21	32	23	24	31	33	18	25
Mountain.....	24	25	31	30	40	52	31	35	25
Pacific.....	140	124	163	127	126	116	123	116	102

MEASLES CASES.

	6,931	7,026	6,500	6,070	6,237	5,147	5,203	4,777	4,453
Total.....									
New England.....	460	430	443	374	401	353	354	379	339
Middle Atlantic.....	2,258	2,467	2,354	2,394	2,647	2,347	2,184	2,310	1,889
East North Central.....	604	659	674	806	838	675	829	703	862
West North Central.....	1,097	925	766	569	415	359	350	257	280
South Atlantic.....	579	675	621	572	626	487	518	484	455
East South Central.....	196	231	173	126	156	159	173	98	73
West South Central.....	410	514	500	354	323	188	127	104	70
Mountain.....	739	634	444	405	241	179	193	122	113
Pacific.....	588	491	525	470	590	400	475	320	372

SCARLET FEVER CASES.

	1,930	1,928	1,966	1,737	1,796	1,658	1,532	1,621	1,561
Total.....									
New England.....	413	337	363	312	326	253	271	242	210
Middle Atlantic.....	520	532	532	517	498	474	467	473	470
East North Central.....	349	376	370	346	345	334	284	325	318
West North Central.....	263	270	254	184	230	222	195	197	210
South Atlantic.....	175	221	202	200	218	189	168	178	165
East South Central.....	22	17	30	11	18	16	12	16	19
West South Central.....	19	13	17	15	26	27	18	23	15
Mountain.....	27	22	28	16	20	19	23	27	35
Pacific.....	142	140	170	136	115	124	94	140	110

SMALLPOX CASES.

	523	565	602	544	536	467	568	550	472
Total.....									
New England.....	0	0	0	0	1	1	0	0	0
Middle Atlantic.....	2	0	6	1	1	0	0	0	0
East North Central.....	125	186	162	153	141	164	193	186	165
West North Central.....	77	77	72	52	61	41	62	53	139
South Atlantic.....	144	123	171	116	98	93	98	76	95
East South Central.....	25	25	38	49	45	26	55	49	20
West South Central.....	5	6	7	10	4	5	2	4	7
Mountain.....	3	4	7	8	4	10	6	5	7
Pacific.....	142	144	139	155	181	127	152	177	145

<sup>1</sup> Figures for St. Paul, Minn., estimated. Report not received at time of going to press.

<sup>2</sup> Figures for Wilmington, Del., estimated.

<sup>3</sup> Figures for San Antonio, Tex., estimated.

<sup>4</sup> Figures for Boise, Idaho, estimated.

<sup>5</sup> Figures for Denver, Colo., estimated.

<sup>6</sup> Figures for San Francisco, Calif., estimated.

<sup>7</sup> Figures for Spokane, Wash., and San Francisco, Calif., estimated.

## Summary of weekly reports from cities, March 9 to May 10, 1924—Continued.

## TYPHOID FEVER CASES.

	1924, week ended—								
	Mar. 15.	Mar. 22	Mar. 29.	Apr. 5.	Apr. 12.	Apr. 19.	Apr. 26.	May 3.	May 10.
Total.....	57	60	76	51	52	55	64	49	68
New England.....	3	2	4	1	4	4	7	4	9
Middle Atlantic.....	20	19	26	9	21	17	11	10	25
East North Central.....	11	8	7	7	7	7	10	11	9
West North Central.....	2	5	5	7	2	6	7	3	11
South Atlantic.....	8	1	11	9	10	4	8	11	11
East South Central.....	7	13	10	1	1	4	8	3	3
West South Central.....	3	2	8	9	2	4	6	3	13
Mountain.....	0	1	1	2	1	4	0	1	13
Pacific.....	3	9	4	6	4	5	7	13	14

## INFLUENZA DEATHS.

Total.....	107	85	96	97	95	80	72	51	59
New England.....	10	5	3	6	3	3	3	2	2
Middle Atlantic.....	37	28	45	44	35	31	30	21	32
East North Central.....	23	13	11	20	25	14	12	7	10
West North Central.....	3	3	4	2	8	4	4	3	12
South Atlantic.....	7	15	10	3	7	6	10	15	17
East South Central.....	16	9	8	13	6	11	8	3	4
West South Central.....	8	8	10	6	3	4	3	4	10
Mountain.....	1	2	2	1	2	4	2	10	1
Pacific.....	2	2	3	2	6	3	0	16	1

## PNEUMONIA DEATHS.

Total.....	1,187	1,173	1,204	1,251	1,222	1,101	959	941	786
New England.....	85	67	58	75	71	61	63	69	55
Middle Atlantic.....	466	495	525	500	494	474	439	392	332
East North Central.....	240	226	255	286	258	232	170	199	150
West North Central.....	59	54	72	71	74	64	49	53	145
South Atlantic.....	161	152	111	125	158	118	114	100	196
East South Central.....	55	69	47	61	53	57	42	44	29
West South Central.....	61	56	61	67	43	43	35	21	123
Mountain.....	31	20	37	39	32	25	26	27	24
Pacific.....	29	34	38	27	39	27	30	33	132

Number of cities included in summary of weekly reports and aggregate population of cities in each group, estimated as of July 1, 1923.

Group of cities.	Number of cities reporting cases.	Number of cities reporting deaths.	Aggregate population of cities reporting cases.	Aggregate population of cities reporting deaths.
Total.....	105	97	28,898,350	28,140,934
New England.....	12	12	2,098,746	2,098,746
Middle Atlantic.....	10	10	10,304,114	10,304,114
East North Central.....	17	17	7,032,535	7,032,535
West North Central.....	14	11	2,515,339	2,381,454
South Atlantic.....	22	22	2,566,901	2,566,901
East South Central.....	7	7	911,885	911,885
West South Central.....	8	6	1,124,564	1,023,013
Mountain.....	9	9	546,445	546,445
Pacific.....	6	3	1,797,830	1,275,841

<sup>1</sup> Figures for St. Paul, Minn., estimated. Report not received at time of going to press.

<sup>2</sup> Figures for Wilmington, Del., estimated.

<sup>3</sup> Figures for San Antonio, Tex., estimated.

<sup>4</sup> Figures for Boise, Idaho, estimated.

<sup>5</sup> Figures for Denver, Colo., estimated.

<sup>6</sup> Figures for San Francisco, Calif., estimated.

<sup>7</sup> Figures for Spokane, Wash., and San Francisco, Calif., estimated.

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924.

## DIPHThERIA, CASES.

		1924, week ended—														
Division, State, and city.	Popu-lation. <sup>1</sup>	January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
NEW ENGLAND																
Maine:																
Auburn.....	18	0	0	2	1	0	1	0	0	0	0	0	2	0		
Bangor.....	26	0	0	0	0	0	0	0	0	0	0	0	0	2		
Bath.....	17	0	0	0	0	0	0	0	0	0	0	0	0	0		
Biddeford.....	18	1	0	0	1	2	0	0	2	0	4	0	0	1		
Lewiston.....	34	2	0	1	1	0	0	0	0	0	0	2	0	2		
Portland.....	73	4	0	10	4	5	4	2	2	2	2	3	3	2		
Sanford.....	11	0	0	0	0	0	0	2	3	0	0	0	0	0		
Waterville.....	14	0	0	1	0	0	0	0	0	0	0	0	0	0		
New Hampshire:																
Concord.....	22	0	0	0	0	0	0	0	0	0	0	0	0	0		
Dover.....	13	0	1	1	0	0	0	0	0	0	0	0	0	0		
Keene.....	12	0	0	2	3	0	1	0	1	0	0	0	0	0		
Manchester.....	81	1	1	0	4	1	0	0	3	0	1	0	1	1		
Nashua.....	29	0	0	0	0	1	0	0	0	0	1	0	1	1		
Vermont:																
Barre.....	10	2	0	0	0	0	0	0	0	2	0	0	0	0		
Burlington.....	24	0	0	0	3	3	2	2	0	0	0	0	0	0		
Massachusetts:																
Adams.....	13	0	0	0	1	0	0	0	1	0	0	0	0	0		
Arlington.....	21	0	1	0	2	1	1	0	0	0	2	0	0	0		
Belmont.....	13	0	0	0	0	0	0	0	0	1	0	0	1	0		
Beverly.....	24	0	0	0	0	0	0	0	0	0	0	0	0	0		
Boston.....	770	75	57	73	79	86	86	75	70	68	40	70	78	59		
Braintree.....	11	0	0	0	1	2	0	0	0	0	0	0	0	0		
Brockton.....	70	5	13	32	26	21	30	11	7	2	6	6	7	7		
Brookline.....	41	0	0	0	1	0	0	0	0	2	1	1	1	0		
Cambridge.....	111	5	5	4	6	6	6	6	3	8	5	3	5	7		
Chelsea.....	47	1	4	1	0	5	1	1	2	3	3	0	5	0		
Chicopee.....	40	1	2	0	2	0	3	2	1	0	2	0	3	2		
Clinton.....	13	1	0	0	0	0	0	1	0	0	0	0	0	0		
Danvers.....	13	1	0	0	0	0	0	1	0	0	0	0	0	0		
Easthampton.....	12	0	0	0	0	0	0	0	0	0	0	0	0	0		
Everett.....	43	5	2	4	0	3	5	4	1	3	2	3	1	1		
Fall River.....	121	9	5	5	8	6	7	2	0	5	4	3	7	2		
Frammingham.....	19	0	1	0	0	0	2	0	0	0	0	0	0	0		
Gardner.....	18	0	0	0	1	0	0	0	0	0	0	0	0	0		
Greenfield.....	17	0	0	0	0	1	0	0	0	0	0	0	0	0		
Haverhill.....	57	5	8	5	4	5	7	3	2	3	3	4	8	5		
Holyoke.....	61	12	13	8	7	12	13	0	1	5	1	1	2	1		
Lawrence.....	97	4	4	10	11	9	12	2	2	3	3	4	2	1		
Leominster.....	21	0	3	0	0	0	0	0	0	1	1	0	1	0		
Lowell.....	115	6	1	4	9	2	4	5	3	2	1	3	3	2		
Lynn.....	103	1	3	1	2	1	3	8	2	4	1	6	6	4		
Malden.....	51	8	14	2	1	2	3	3	2	0	1	1	3	3		
Medford.....	45	3	2	1	6	2	2	1	4	3	2	2	0	0		
Melrose.....	19	0	0	0	0	1	0	0	1	0	0	0	0	1		
Methuen.....	17	0	2	4	1	0	3	0	2	0	0	0	2	1		
Milford.....	14	0	0	0	1	0	0	0	0	0	0	0	0	0		
Natick.....	11	1	0	0	0	0	0	0	1	0	0	0	0	0		
New Bedford.....	130	2	5	5	5	2	8	2	2	3	3	1	0	1		
Newburyport.....	16	6	4	0	1	0	0	0	0	0	0	1	0	0		
Newton.....	48	1	0	2	0	0	0	2	0	1	2	0	1	0		
North Adams.....	22	0	1	0	0	0	0	0	0	0	0	0	0	0		
Northampton.....	23	0	0	0	0	0	0	1	0	0	0	0	0	0		
Peabody.....	21	2	3	0	1	0	3	0	0	1	0	0	0	1		
Pittsfield.....	45	3	4	2	7	4	6	2	3	4	1	2	5	1		
Quincy.....	53	1	2	4	4	4	5	3	2	3	0	0	0	1		
Salem.....	43	0	3	0	2	0	2	5	0	3	2	1	1	0		
Saugus.....	12	1	0	1	0	1	1	0	0	1	1	0	0	0		
Somerville.....	99	6	9	14	7	12	7	3	10	2	4	3	4	2		
Southbridge.....	15	0	0	1	1	1	0	0	0	0	0	0	0	0		
Springfield.....	144	3	7	6	3	2	5	3	5	4	5	5	3	2		
Taunton.....	38	0	1	0	0	0	0	1	1	0	0	1	0	0		
Wakefield.....	14	0	0	0	1	1	1	1	0	2	0	0	1	0		
Waltham.....	32	5	3	7	4	3	8	0	0	1	2	3	2	3		
Watertown.....	25	1	2	0	0	0	1	1	0	0	0	3	0	4		
Webster.....	14	0	0	0	0	0	1	0	0	0	1	0	0	0		
Westfield.....	20	0	0	0	0	0	0	1	1	0	0	0	0	0		
Winchester.....	11	0	0	0	0	1	1	1	1	1	1	0	0	0		

<sup>1</sup> Estimated population July 1, 1923, in thousands.

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## DIPHTHERIA, CASES—Continued.

Division, State, and city.	Popu-lation.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
NEW ENGLAND—contd.																
Massachusetts—Contd.																
Wipthorp.....	17	1	0	2	1	2	5	1	0	0	1	1				
Worcester.....	192	19	16	9	10	29	0	0	7	9	3	5	18	7		
Rhode Island:																
Central Falls.....	25	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Cranston.....	32	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0
Cumberland.....	10	1	0	1	1	0	0	1	1	1	0	0	0	0	1	1
Newport.....	31	3	6	6	2	4	1	2	1	0	2	1	1	3	1	1
Pawtucket.....	69	1	2	1	2	0	2	3	0	2	1	1	1	3	1	1
Providence.....	242	5	18	12	14	12	9	12	10	12	11	7	6	8		
Connecticut:																
Bridgeport.....	144	41	8	6	10	6	5	8	4	14	11	5	6	8		
Bristol.....	23	0	2	0	2	3	3	2	0	1	1	1	1	1	2	1
Fairfield.....	13	1	0	1	1	0	0	1	0	1	0	0	0	0	0	0
Greenwich.....	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hartford.....	138	9	8	4	10	13	16	8	8	6	6	10	9	10		
Manchester.....	20	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0
Milford.....	12	0	0	0	0	0	0	0	0	5	0	4	1	2		
New Britain.....	65	4	2	6	8	5	4	5	5	3	1	3	1	2	4	1
New Haven.....	173	4	2	4	1	2	2	2	3	1	0	0	2	1		
New London.....	28	0	0	0	0	4	0	0	0	1	0	0	0	0		
Norwich (city).....	23	0	0	0	0	0	2	1	2	0	1	0	0	0		
Norwich (city).....	23	0	0	0	0	0	2	1	2	0	1	0	0	0		
Stonington.....	11	0	0	0	1	0	1	0	0	0	0	0	0	0		
Waterbury.....	98	10	1	11	11	8	21	8	10	3	6	4	4	7		
MIDDLE ATLANTIC.																
New York:																
Albany.....	117	7			5	4	5		11	14	9		12	20		
Amsterdam.....	34	1	6	7	2	3	7	3	9	1	3	2	5	0		
Auburn.....	37	0	0	0	1	1	1	1	2	0	1	4	0	0		
Buffalo.....	537	12	27	30	18	14	18	20	13	9	19	13	8	7		
Coboes.....	23	0	1	0	2	1	1	0	1	5	8	1	2	1		
Cortland.....	14	0	0	0	0	1	0	0	0	1	0	1	0	0		
Dunkirk.....	20	1	0	0	0	0	0	3	0	1	0	2	0	0		
Elmira.....	48	1	0	1	0	2	2	1	0	0	0	0	0	1		
Geneva.....	15	0	0	0	0	0	0	0	0	0	0	0	0	0		
Glens Falls.....	17	0	1	0	1	0	0	0	0	0	0	0	0	0		
Hornell.....	16	0	1	1	0	0	0	0	0	0	0	1	2	6		
Hudson.....	12	0	0	0	0	0	0	0	0	0	0	0	0	1		
Ithaca.....	18	0	0	0	0	0	0	1	0	0	0	0	0	0		
Jamestown.....	42	1	3	4	0	3	8	4	2	2	1	1	0	1		
Lackawanna.....	19	1	0	0	0	0	0	1	0	3	0	2	0	1		
Little Falls.....	13	0	0	1	0	0	0	1	0	0	0	0	0	0		
Lockport.....	22	1	0	0	0	0	0	0	0	0	0	0	0	0		
Middletown.....	20	0	2	1	0	0	0	0	0	0	0	1	0	0		
Mount Vernon.....	47	1	1	1	0	1	0	0	2	2	0	0	0	0		
New York.....	5,928	210	214	247	221	193	246	212	213	191	175	224	205	215		
Newburgh.....	31	0	0	0	1	1	2	0	0	0	0	1	0	0		
Niagara Falls.....	58	2	3	6	7	2	2	2	2	3	5	1	2	2		
North Tonawanda.....	17	2	0	1	1	2	1	0	0	1	1	1	0	0		
Olean.....	23	0	0	1	0	0	0	0	0	0	0	0	0	0		
Peekskill.....	16	1	3	1	1	0	0	0	0	1	1	0	0	0		
Poughkeepsie.....	38	0	1	0	2	0	0	0	0	0	0	0	0	0		
Rochester.....	318	6	7	14	5	7	7	1	0	2	1	2	0	0		
Rome.....	28	5	3	0	2	2	0	0	0	0	1	0	0	0		
Saratoga Springs.....	13	4	1	0	1	1	0	3	0	3	0	1	0	0		
Schenectady.....	94	10	17	16	10	5	13	8	10	12	8	3	4	2		
Syracuse.....	185	12	14	7	6	11	12	13	5	4	10	6	8	9		
Troy.....	72	12	13	26												
Watertown.....	33	1	0		0	1	1	1	0	0	0	2	2	3		
White Plains.....	22	0	0	0	0	0	0	0	0	0	0	0	0	0		
Yonkers.....	108	3	3	5	7	3	5	4	4	3	1	2	2	4		
New Jersey:																
Asbury Park.....	13	0	0	0	0	0	0	0	0	0	0	0	0	0		
Atlantic City.....	52	2	5	1	5	5	6	1	0	1	1	3	1	2		
Bayonne.....	84	3	1	3	3	1	0	3	1	3	2	4	2	3		
Belleville.....	18	0	0	1	0	0	0	1	0	1	0	0	0	0		
Bloomfield.....	25	1	0	0	0	0	0	0	1	1	1	1	0	0		
Camden.....	124	14	8	5	11	10	9	2	5	7	7	4	13	9		
Clifton.....	32	2	0	3	4	5	2	2	1	2	2	1	0	0		
East Orange.....	57	2	4	4	2	0	1	1	0	1	1	0	0	1		



## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## DIPHThERIA, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
MIDDLE ATLANTIC—contd.																
Pennsylvania—Contd.																
New Castle	48	2	3	7	0	4	3	0	1	5	0	0	2			
New Kensington	14	0	2	0	0	1	0	1	0	0	0	2	0	2		
Norristown	34	0	2	1	1	0	0	2	1	2	3	0	1	2		
North Braddock	16	2	2	2	1	0	2	2	1	2	0	0	0	0		
Oil City	23	1	0	0	0	0	1	0	0	0	0	0	0	0		
Old Forge	13	0	0	0	0	0	0	0	0	0	0	0	0	0		
Olyphant	11	1	0	0	0	1	1	0	0	1	0	0	1	1		
Philadelphia	1,923	97	124	102	149	111	140	121	121	125	89	97	117	99		
Phoenixville	10	1	0	0	0	0	1	1	2	2	0	0	0	0		
Pittsburgh	613	26	32	50	32	29	36	34	18	27	29	29	34	31		
Pittston	19	1	0	0	0	0	0	0	0	0	0	0	0	0		
Plymouth	17	2	1	2	2	1	0	0	0	0	0	0	1	0		
Pottstown	18	0	0	0	0	0	0	0	0	0	0	0	0	0		
Pottsville	22	0	1	1	0	0	0	1	0	1	0	0	1	0		
Punxsutawney	11	0	0	0	0	0	0	1	0	0	3	0	0	0		
Reading	111	2	9	6	6	7	2	0	1	3	5	1	5	1		
Scranton	141	2	6	5	2	3	2	2	5	4	2	4	2	1		
Shamokin	22	1	2	0	2	4	0	0	0	1	0	0	2	1		
Sharon	24	2	1	3	2	2	1	1	1	2	2	1	2	1		
Shenandoah	25	1	0	1	1	1	0	0	0	0	1	0	1	0		
Steelton	13	0	0	0	2	0	0	0	0	1	1	0	0	0		
Sunbury	16	2	1	3	3	1	0	0	1	0	1	1	4	0		
Swissvale	12	1	0	0	0	0	1	0	2	0	0	1	1	0		
Tamaqua	13	0	3	1	0	0	3	0	0	0	0	1	0	1		
Uniontown	16	1	1	1	1	1	0	2	0	1	2	1	0	0		
Warren	15	0	0	0	0	0	0	0	0	0	0	0	0	2		
Washington	22	0	1	1	1	0	0	2	0	0	0	0	0	0		
West Chester	12	1	0	1	0	3	0	0	0	0	0	0	0	0		
Wilkes-Barre	76	6	3	10	2	3	5	6	3	6	3	2	5	4		
Wilksburg	26	3	3	4	0	0	0	5	2	0	0	0	2	1		
Williamsport	38	0	0	0	0	0	0	1	2	1	0	1	0	2		
Woodlawn	17	0	0	0	0	0	0	0	0	0	0	0	0	0		
York	49	0	0	0	0	0	2	1	1	0	0	0	1	0		
EAST NORTH CENTRAL.																
Ohio:																
Akron	208	13	11	5	5	13	9	4	5	8	5	13	6	8		
Alliance	24	3	2	2	1	3	1	1	0	2	0	0	0	0		
Ashtabula	24	0	0	1	1	1	0	0	0	1	0	0	0	0		
Barberton	22	0	0	1	0	0	1	0	0	2	4	1	0	0		
Bellaire	16	1	0	3	1	1	0	0	0	1	0	0	1	1		
Bucyrus	11	0	0	0	0	0	0	0	0	0	0	1	2	0		
Cambridge	14	0	0	1	1	0	1	1	1	0	2	0	0	0		
Canton	99	8	12	7	5	7	6	7	2	8	5	7	8	1		
Chillicothe	16	0	2	2	1	0	1	0	0	0	0	0	1	0		
Cincinnati	406	9	12	11	9	10	9	7	9	8	16	8	12	8		
Cleveland	889	43	39	19	33	37	41	33	22	23	17	22	24	16		
Cleveland Heights	20	0	0	0	0	0	0	0	0	1	0	0	2	0		
Columbus	261	7	10	8	7	5	7	6	4	8	3	5	4	5		
Cuyahoga Falls	12	0	0	1	3	0	1	1	0	0	0	0	0	0		
Dayton	166	7	6	7	5	8	5	12	5	5	0	1	1	3		
East Cleveland	34	2	0	1	0	0	1	1	0	0	1	0	0	0		
East Liverpool	22	0	0	1	0	0	0	0	0	2	0	0	1	0		
Elyria	23	1	0	0	1	0	0	0	0	0	0	0	0	0		
Findlay	18	2	1	1	0	0	1	1	0	0	1	0	0	0		
Fremont	13	0	0	0	0	0	1	0	0	0	1	1	0	0		
Hamilton	41	0	0	0	0	0	0	0	0	0	0	0	0	0		
Ironton	14	0	0	1	0	1	0	0	0	0	0	0	0	0		
Kenmore	17	1	2	3	0	0	0	1	0	1	0	0	0	1		
Lancaster	15	1	1	1	1	0	2	3	2	0	0	0	0	0		
Lima	45	2	1	4	0	1	0	0	0	1	1	1	1	0		
Lorain	41	0	1	3	1	1	2	0	0	0	0	1	0	1		
Mansfield	30	2	0	0	5	0	2	1	0	0	1	0	1	0		
Martins Ferry	13	3	0	0	0	0	0	0	1	0	0	0	1	0		
Middletown	29	1	0	0	1	0	0	0	0	0	0	0	0	1		
New Philadelphia	12	0	0	0	2	0	0	2	1	0	0	0	0	0		
Newark	30	1	0	2	1	0	0	0	0	0	0	1	0	1		
Niles	16	2	3	1	1	2	0	4	1	0	2	0	1	2		
Norwood	28	0	0	1	1	1	1	0	0	0	1	1	0	0		
Piqua	16	0	0	0	0	0	1	0	0	0	0	1	0	0		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## DIPHTHERIA, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—																	
		January—				February—				March—									
		5	12	19	26	2	9	16	23	1	8	15	22	29					
EAST NORTH CENTRAL—continued.																			
Ohio—Continued.																			
Salem.....	11	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0			
Sandusky.....	24	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0			
Springfield.....	66	1	2	0	0	7	1	3	3	0	1	0	2	0	0	0			
Steubenville.....	31	0	1	0	0	2	1	0	1	0	0	1	1	2	0	0			
Tiffin.....	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Toledo.....	268	14	14	5	7	16	8	3	9	5	3	7	10	3	0	0			
Youngstown.....	132	9	6	11	6	9	10	7	3	6	12	5	5	5	0	0			
Zanesville.....	30	0	0	0	1	0	0	1	1	1	0	0	2	0	0	0			
Indiana:																			
Anderson.....	32	0	2	0	2	0	2	0	0	0	0	0	0	0	0	0			
Crawfordsville.....	10	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0			
East Chicago.....	42	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0			
Elwood.....	11	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0			
Evansville.....	91	2	2	4	4	1	2	4	0	5	4	2	3	4	0	0			
Fort Wayne.....	94	6	12	7	8	6	3	11	5	6	4	4	2	1	0	0			
Frankfort.....	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gary.....	69	4	1	2	4	4	4	5	5	3	4	3	2	0	0	0			
Hammond.....	47	2	1	0	1	2	0	1	0	0	1	2	1	0	0	0			
Huntington.....	15	0	1	0	0	0	0	0	2	0	2	0	0	0	0	0			
Indianapolis.....	343	13	7	16	20	14	8	2	11	3	6	11	2	11	0	0			
Kokomo.....	35	1	2	3	1	2	0	0	2	1	1	1	3	1	0	0			
La Fayette.....	23	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0			
La Porte.....	17	0	0	2	1	0	2	0	0	0	1	1	1	0	0	0			
Logansport.....	22	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0			
Michigan City.....	20	1	0	2	2	0	1	1	1	0	0	0	0	0	0	0			
Mishawaka.....	16	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0			
Muncie.....	40	0	1	1	2	0	1	0	1	2	0	0	0	3	0	0			
Newcastle.....	16	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0			
Richmond.....	29	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0			
South Bend.....	77	10	11	7	3	8	2	9	5	0	10	5	6	7	0	0			
Terre Haute.....	69	3	1	0	2	0	2	0	0	1	0	0	0	0	0	0			
Illinois:																			
Alton.....	26	3	16	2	0	5	2	7	0	0	0	0	4	1	0	0			
Aurora.....	39	2	1	5	6	6	6	3	1	4	3	2	1	2	0	0			
Berwyn.....	17	0	2	0	0	2	0	0	0	0	0	1	0	0	0	0			
Bloomington.....	30	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0			
Blue Island.....	12	0	1	3	0	0	0	1	0	1	0	1	2	0	0	0			
Centralia.....	14	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0			
Champaign.....	18	0	0	0	0	0	1	2	0	1	0	1	1	0	0	0			
Chicago.....	2,886	114	136	121	124	121	126	118	69	90	71	83	98	72	0	0			
Cicero.....	56	2	2	3	1	0	2	0	2	0	0	1	0	0	0	0			
Danville.....	36	1	1	6	1	0	0	1	1	0	0	0	0	1	0	0			
Decatur.....	48	1	2	2	2	4	0	1	2	0	1	1	3	1	0	0			
East St. Louis.....	70	0	0	4	0	0	0	2	1	1	4	2	0	0	0	0			
Elgin.....	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Evanston.....	41	0	1	3	11	11	2	1	2	2	1	0	0	0	0	0			
Forest Park.....	12	0	2	0	0	0	0	1	0	0	0	0	1	0	0	0			
Freeport.....	20	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0			
Galesburg.....	24	1	0	2	0	0	0	0	0	1	0	0	0	0	0	0			
Herrin.....	12	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0			
Jacksonville.....	16	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0			
Kewanee.....	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
La Salle.....	14	1	2	1	1	1	0	1	2	0	1	1	0	0	0	0			
Mattoon.....	14	0	2	0	0	0	0	0	2	1	0	1	0	0	0	0			
Murphysboro.....	12	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0			
Oak Park.....	47	2	2	0	0	1	1	1	1	0	0	0	1	0	0	0			
Pekin.....	13	0	0	3	1	1	0	0	0	0	0	1	0	0	0	0			
Peoria.....	80	0	0	0	0	0	0	1	0	0	2	0	0	0	2	0			
Quincy.....	37	1	0	0	1	1	0	0	0	0	1	0	0	0	0	0			
Rock Island.....	38	4	6	7	1	0	0	5	1	7	3	3	1	0	0	0			
Rockford.....	72	3	3	1	0	4	3	0	2	2	0	2	1	2	0	0			
Springfield.....	62	2	0	1	1	0	1	3	2	1	0	3	2	1	0	0			
Urbana.....	11	0	0	4	0	0	0	0	1	0	0	0	0	0	0	0			
Michigan:																			
Alpena.....	11	1	2	0	0	0	0	0	0	1	0	1	0	0	1	0			
Ann Arbor.....	21	4	1	3	3	1	3	0	1	0	1	2	3	0	0	0			
Battle Creek.....	40	3	4	4	6	5	2	4	5	3	2	6	4	1	0	0			
Benton Harbor.....	13	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0			
Detroit.....	996	88	72	99	56	65	56	34	66	53	59	62	55	51	0	0			
Flint.....	118	6	16	12	7	2	2	6	5	4	3	2	3	0	0	0			

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## DIPHThERIA, CASES—Continued.

Division, State, and city.	Popu- lation.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
EAST NORTH CENTRAL— continued.																
Michigan—Continued.																
Grand Rapids.....	146	13	1	6	5	5	4	2	4	3	11	4	2			
Hamtramck.....	70	1	3	0	1	2	1	3	0	1	3	2				
Highland Park.....	63		5	5	0	0	2	2	1	2	0	1	2	1		
Holland.....	13	2	2	0	0	0	1	1	1	0	0	0	0	1		
Ironwood.....	17	0	0	0	1	3	1	0	1	0	1	0	2	1		
Ishpeming.....	11	0	0	0	0	0	0	1	0	0	0	0	0	0		
Jackson.....	54	2	2	5	0	4	3	2	2	1	4	0	1	0		
Kalamazoo.....	52	0	5	6	5	0	2	6	3	5	5	3	3	1		
Marquette.....	13	0	0	0	0	0	1	0	1	0	0	0	0	0		
Muskegon.....	41	3	3	6	1	4	8	2	5	3	2	5	1	3		
Pontiac.....	41	5	5	7	2	4	2	3	5	5	8	7	7	1		
Port Huron.....	28	1	1	1	2	2	0	1	1	0	0	1	0	0		
Saginaw.....	70	4	2	1	4	1	2	3	3	1	0	2	0	0		
Sault Ste. Marie.....	12	1	2	5	0	2	1	0	0	0	0	0	1	1		
Wisconsin:																
Appleton.....	21	2	1	0	2	0	0	0	0	0	1	1	0	0		
Beloit.....	24	0	1	2	0	0	0	0	1	4	2	1	2	0		
Eau Claire.....	22	0	0	0	1	1	0	1	1	0	0	0	2	0		
Fond du Lac.....	25	0	2	1	0	1	0	2	4	1	0	0	0	0		
Green Bay.....	33	2	2	6	4	7	1	3	3	1	1	1	2	3		
Jen. sville.....	20	0	1	4	0	0	0	1	0	2	1	0	0	0		
Kenosha.....	47	5	0	2	5	1	2	3	3	2	1	0	0	0		
La Crosse.....	30	1	0	0	0		1	0	0	0	0	0	0	0		
Madison.....	43	1	3	3	2	4	0	2	0	3	1	2	4	1		
Manitowoc.....	19	2	2	4	3	3	2	0	1	0	1	1	3	0		
Marinette.....	14	1	0	1	0	0	0	0	0	0	0	0	0	0		
Milwaukee.....	485	14	19	15	21	11	12	10	14	22	14	18	14	16		
Oshkosh.....	33	0	0	0	0	1	0	0	1	0	0	0	1	0		
Racine.....	64	5	8	2	6	2	8	3	5	3	3	4	1	4		
Sheboygan.....	33	4	3	5	1	1	0	9	2	6	5	3	3	2		
Stevens Point.....	12	1	0	1	0	0	0	0	0	0	0	0	0	0		
Superior.....	40	5	3	3	0	1	1	1	2	0	0	0	0	2		
Waukesha.....	14	0	0	0	0	0	0	0	0	2	0	0	0	0		
Wausau.....	20	3	3	2	1	3	0	0	0	1	0	0	0	0		
West Allis.....	16	1	0	0	2	3	0	0	0	0	0	0	1	1		
WEST NORTH CENTRAL.																
Minnesota:																
Duluth.....	106	2	2	0	0	1	3	1	0	1	0	0	0	0		
Faribault.....	12	3	3	1	0	0	3	0	2	0	1	0	3	2		
Hibbing.....	17	0	0	0	0	0	1	2	0	1	2	2	0	0		
Minneapolis.....	409	38	33	42	33	36	18	32	19	26	19	18	13	14		
Rochester.....	16	1	7	1	0	0	1	0	0	0	0	0	0	0		
St. Cloud.....	18	6	4	6	12	5	2	1	2	0	1	1	1	1		
St. Paul.....	242	24	9	14	17	9	25	13	20	8	23	15	21	9		
Virginia.....	15	2	1	2	1	1	1	5	1	0	0	0	0	1		
Winona.....	19		0	0	0	0	0	0	0	0	2	0	0	0		
Iowa:																
Burlington.....	24	1	2	0	1	0	1	1	1	0	1	0	1	1		
Cedar Rapids.....	50	2	0	3	2	2	1	1	4	0	1	3	1	4		
Clinton.....	24	4	4	4	6	6	5	12	7	2	7	6	3			
Council Bluffs.....	39	1	3	0	1	2	0	4	0	0	1	1	0	0		
Davenport.....	61		3	1	2	8	11	1	1	2	6	1	1	3		
Des Moines.....	141	1	3	2	6	1	4	4	1	7	7	3	1	2		
Dubuque.....	39	6	12	1	4	2	1	2	0	5	0	2	4			
Iowa City.....	12	1	2	1	1	0	0	1	0	1	2	0	0	0		
Marshalltown.....	17	0	0	0	3	1	0	0	0	1	1	0	0	0		
Muscatine.....	16	0	0	0	0	0	0	0	0	0	0	0	0	0		
Ottumwa.....	23	1	1	1	1	1	0	0	0	0	1	0	0	0		
Sioux City.....	80	6	4	2	1	5	3	4	4	3	1	6	3	4		
Waterloo.....	40	0	0	0	1	1	0	0	0	0	0	0	1	0		
Missouri:																
Cape Girardeau.....	11	2	2	0	0	0	0	0	1	1	1	0	0	0		
Independence.....	12	1	2	8	0	2	0	0	0	0	0	1	0	0		
Joplin.....	30	0	0	0	2	0	2	0	0	1	0	1	0	0		
Kansas City.....	352	12	4	8	9	9	2	14	6	10	5	4	1	0		
St. Joseph.....	78	2	1	4	2	1	0	0	0	4	2	0	0	0		
St. Louis.....	804	43	38	43	44	49	32	41	38	27	43	28	32	28		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## DIPHTHERIA, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—												
		January—				February—				March—				
		5	12	19	26	2	9	16	23	1	8	15	22	29
WEST NORTH CENTRAL—continued.														
North Dakota: Grand Forks.....	15	0	0	0	0	0	0	0	1	0	0	0	0	0
South Dakota: Sioux Falls.....	29	1	1	1	4	0	2	1	0	1	---	1	0	0
Nebraska: Lincoln.....	59	14	0	4	7	6	3	5	2	3	2	5	5	5
North Platte.....	13	6	5	---	---	---	---	---	---	---	---	---	---	---
Omaha.....	204	4	4	6	5	4	5	10	2	2	4	1	3	1
Kansas: Atchison.....	13	0	0	0	0	0	0	0	0	1	0	0	0	1
Coffeyville.....	14	0	1	0	0	1	0	0	3	0	0	0	0	0
Fort Scott.....	11	0	0	0	0	1	1	2	1	1	0	1	1	0
Hutchinson.....	26	0	0	0	0	0	0	0	0	0	0	0	0	0
Kansas City.....	116	5	4	2	4	5	3	3	0	0	0	---	2	3
Lawrence.....	12	1	0	0	0	0	0	0	0	0	0	---	0	0
Leavenworth.....	17	1	1	0	1	0	1	0	1	1	1	1	2	0
Parsons.....	17	4	1	0	0	1	0	0	0	0	0	0	0	0
Pittsburg.....	19	1	5	0	0	2	0	5	1	0	0	0	0	1
Topeka.....	53	0	1	0	3	5	3	3	7	2	2	0	2	4
Wichita.....	79	1	5	5	5	5	4	7	5	4	10	2	6	5
SOUTH ATLANTIC.														
Delaware—Wilmington.....	118	3	8	11	10	6	1	5	2	6	2	1	5	3
Maryland: Baltimore.....	774	23	27	30	29	29	25	32	10	22	21	20	28	27
Cumberland.....	32	0	0	0	0	1	1	0	0	0	0	0	2	0
Frederick.....	11	1	1	0	0	0	0	0	0	0	0	3	0	0
District of Columbia—Washington.....	438	8	18	11	10	5	10	6	6	9	8	7	8	3
Virginia: Alexandria.....	18	0	0	0	0	1	0	0	0	0	0	0	0	1
Charlottesville.....	11	0	0	0	0	0	0	0	1	0	0	0	0	0
Danville.....	22	0	2	0	0	2	0	0	0	0	0	0	0	0
Lynchburg.....	30	3	0	3	1	2	0	1	0	0	2	0	0	0
Newport News.....	36	0	1	1	0	0	1	2	0	0	2	3	0	0
Norfolk.....	159	2	4	4	1	2	2	4	0	2	1	0	0	0
Petersburg.....	34	3	0	0	1	2	2	5	0	0	0	0	0	0
Portsmouth.....	57	0	0	0	0	1	0	1	0	0	1	1	0	1
Richmond.....	181	5	7	19	7	4	1	0	4	1	0	0	3	3
Roanoke.....	56	2	1	1	2	2	1	1	1	1	0	1	1	0
West Virginia: Bluefield.....	17	1	1	0	1	0	0	0	0	2	1	0	0	0
Charleston.....	46	0	4	4	2	0	1	1	1	0	0	0	2	1
Clarksburg.....	29	0	0	0	0	0	0	0	1	0	0	1	1	0
Fairmont.....	20	1	1	0	2	1	2	0	1	1	0	0	2	0
Huntington.....	58	3	1	1	1	0	0	1	1	1	0	0	0	1
Martinsburg.....	13	0	0	0	0	0	0	1	0	0	0	0	0	0
Morgantown.....	13	3	0	0	0	1	1	0	3	3	0	1	0	0
Parkersburg.....	21	0	0	1	1	0	1	1	0	0	0	0	0	0
Wheeling.....	56	5	3	11	3	0	1	1	0	0	3	2	1	2
North Carolina: Durham.....	23	0	0	0	1	0	0	0	1	1	0	0	1	0
Greensboro.....	44	0	0	1	0	0	0	0	0	1	1	1	0	0
Raleigh.....	29	0	2	1	3	3	1	0	0	1	0	0	0	0
Wilmington.....	36	0	2	2	0	1	2	0	0	0	1	0	0	0
Winston-Salem.....	56	0	1	5	0	1	1	1	1	3	1	0	0	0
South Carolina: Charleston.....	71	0	0	2	0	1	0	0	0	0	1	0	2	0
Columbia.....	40	0	2	1	2	0	0	1	0	0	1	1	0	0
Greenville.....	26	1	0	0	0	0	0	0	0	1	0	0	0	0
Georgia: Albany.....	13	1	0	0	0	0	0	0	0	1	0	0	0	0
Atlanta.....	223	5	4	4	0	1	2	1	3	2	2	1	6	2
Augusta.....	54	0	0	0	1	0	0	1	0	0	1	0	0	0
Brunswick.....	16	0	0	0	0	0	0	0	0	0	0	0	0	0
Lagrange.....	21	0	1	---	---	0	0	1	0	1	0	1	0	1
Macon.....	56	1	1	0	0	1	0	0	1	1	0	0	0	0
Rome.....	14	0	0	1	0	0	1	0	0	0	0	0	0	1
Savannah.....	89	1	2	0	1	0	0	0	0	1	0	0	2	0
Florida: St. Petersburg.....	24	0	0	0	0	0	0	0	0	0	0	1	1	0
Tampa.....	56	0	0	3	1	1	1	3	3	5	0	0	0	1

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

**DIPHTHERIA, CASES—Continued.**

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
EAST SOUTH CENTRAL.																
Kentucky:																
Covington.....	58	1	4	0	0	1	0	2	0	0	1	0	1	0	0	0
Henderson.....	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lexington.....	44	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Louisville.....	258	1	2	1	6	5	3	3	2	4	1	2	4	1	4	4
Owensboro.....	22	0	3	2	0	1	0	0	0	2	1	2	1	1	1	1
Paducah.....	25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee:																
Chattanooga....	60	0	2	2	0	1	0	1	0	0	0	0	0	0	0	1
Knoxville.....	89	0	0	0	1	0	1	0	2	1	0	0	0	0	0	0
Memphis.....	170	8	7	7	7	7	4	6	5	6	4	7	9	5	9	5
Nashville.....	121	1	1	2	2	0	1	0	0	0	2	0	2	0	2	0
Alabama:																
Aniston.....	20	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0
Birmingham....	196	4	5	2	1	5	5	5	4	0	1	1	1	1	0	0
Dothan.....	11	1	0	1	1	1	0	0	0	0	1	0	0	0	0	0
Mobile.....	64	3	1	0	0	0	0	1	1	1	0	1	0	1	0	1
Montgomery.....	45	1	0	3	1	1	0	0	1	0	0	1	0	0	0	0
Selma.....	16	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0
Tusculocosa.....	13	0	0	0	0	0	0	0	0	2	0	0	0	1	1	1
WEST SOUTH CENTRAL.																
Arkansas:																
Fort Smith.....	31	2	0	0	0	0	2	0	0	1	0	0	1	0	0	0
Little Rock.....	71	2	1	4	3	2	1	3	0	1	1	2	1	0	1	0
North Little Rock..	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana:																
New Orleans.....	405	24	16	18	22	19	10	13	24	9	13	10	14	18	18	18
Shreveport.....	55	1	3	1	0	0	0	3	1	3	1	0	1	1	1	1
Oklahoma:																
Guthrie.....	12	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0
Oklahoma.....	101	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0
Shawnee.....	16	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0
Tulsa.....	102	2	1	1	0	0	0	0	0	3	0	1	1	1	1	1
Texas:																
Amarillo.....	17	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Beaumont.....	47	1	3	0	0	0	0	0	1	0	0	0	0	0	1	0
Corpus Christi.....	11	2	1	1	1	1	0	2	0	0	0	0	0	0	0	0
Dallas.....	177	11	11	0	5	8	14	13	5	13	8	3	1	5	5	5
El Paso.....	96	1	6	17	6	3	7	3	14	8	2	3	3	3	3	3
Fort Worth.....	144	3	4	0	3	3	2	2	3	4	3	2	3	3	3	3
Galveston.....	47	2	2	1	0	0	1	0	0	2	0	1	0	0	0	0
Houston.....	155	0	1	2	6	7	3	2	0	3	5	1	0	0	3	3
San Antonio.....	185	4	2	2	5	2	2	3	4	2	6	1	3	4	1	1
Texarkana.....	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tyler.....	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waco.....	42	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0
MOUNTAIN.																
Montana:																
Anaconda.....	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Billings.....	17	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Butte.....	42	2	0	1	0	2	2	0	0	1	0	0	0	0	0	0
Great Falls.....	28	1	1	1	1	0	3	0	1	1	2	4	0	0	0	0
Helena.....	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Missoula.....	13	2	1	2	6	3	4	1	1	0	3	5	1	8	1	8
Idaho—Boise.....	23	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Colorado:																
Boulder.....	12	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0
Denver.....	272	18	9	8	18	15	10	16	23	14	17	9	18	10	10	10
Pueblo.....	44	3	2	4	4	1	1	0	1	1	3	5	2	9	9	9
Trinidad.....	11	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
New Mexico—Albuquerque.....	17	1	0	1	0	0	0	3	1	0	0	2	2	2	2	2
Utah:																
Provo.....	11	4	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Salt Lake City.....	126	2	6	4	3	2	6	3	2	3	0	3	0	0	0	0
Nevada—Reno.....	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## DIPHTHERIA, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
PACIFIC.																
Washington:																
Aberdeen	16	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0
Bellingham	26	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0
Everett	29	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Seattle	316	5	4	4	3	5	13	13	11	2	8	14	12	11	0	0
Spokane	105	5	3	2	4	8	1	3	2	2	3	8	5	3	1	0
Tacoma	102	2	5	5	3	5	1	4	0	4	1	1	2	1	0	0
Vancouver	14	1	0	0	1	0	2	1	0	0	0	0	0	0	0	0
Walla Walla	16	0	0	0	3	1	0	0	0	1	0	0	0	0	0	0
Yakima	20	0	0		1	0	0		1		1	1	0	0	0	0
Oregon—Portland	274	22	10	9		18	10		19		17		16	10		
California:																
Alameda	31	1	0	2	3	5	6	0	4	4	3	4	3	2		
Bakersfield	21	1	2	7	2	2	1	0	0	2	2	2	0	2		
Berkeley	63	3	3	5	8	2	9	10	6	3	7	7	5	9		
Eureka	13	0	0	0		0	0	0	2	0	0	0	0	0		
Long Beach	69	5	4	4	4	5	5	8	3	10	5	4	4	6		
Los Angeles	667	65	74	81	96	80	105	70	61	73	89	70	65	80		
Oakland	240	16	38	27	30	26	15	25	18	18	31	23	15	14		
Pasadena	53	3	3	5	2	2	0	4	3	0	8	5	3	2		
Richmond	20	6	3	7	2	7	3	7	6	3	0	2	0	1		
Riverside	21	2	0	0	0	0	0	1	2	0	1	0	0	0		
Sacramento	70	6	11	10	6	3	2	8	5	9	12	3	6	6		
San Bernardino	21	4	8	9	3	5	5	14	7	6	3	5	7	3		
San Diego	87	21	13	4	14	14	15	9	7	7	9	3	9	2		
San Francisco	539	59	74	91	69	68	52	63	56	70	38	49	38	56		
Santa Ana	18	2	5	2	0	1	0	2	1	0	2	1	1	0		
Santa Cruz	11	1	0		0	0	0	0	0	0	0	0	0	0		
Stockton	45	1	2	3	2	2	3	1	0	3	4	6	4	5		
Vallejo	25	0	0	0	0	0	2	0	0							

## MEASLES, CASES.

NEW ENGLAND.																
Maine:																
Auburn	18	3	0	0	0	1	0	0	0	0	0	2	2	0		
Bangor	26	1	1	0	0	0	9	1	1	4	2	0	0	6		
Bath	17	0	0	0	0	0	0	0	0	0	0	2	5	6		
Biddeford	18	2	1	4	0	0	0	0	0	0	0	1	0	0		
Lewiston	34	4	1	6	2	2	1	0	0	3	2	5	9	13		
Portland	73	2	7	1	4	1	1	2	3	0	0	1	1	0		
Sanford	11	0	0	0	0	0	1	0	1	0	0	0	1	0		
Waterville	14	57	29	98	60	40	9	9	3	2	2		1	1		
New Hampshire:																
Berlin	18	0	0	2	0	7	0	0	0	0	0					
Concord	22	15	4	12	11	3	12	3	10	15	23	49	58	73		
Dover	13	3	6	8	0	15	7	1	1	3	1	0	1	1		
Keene	12	0	0	0	0	0	0	0	0	0	0	0	1	0		
Manchester	81	11	9	6	7	2				19	14	13	9	0		
Nashua	29	0	13	9	9	0	0	1	0	1	0	1	1	0		
Vermont:																
Barre	10	1	4	0	1	1	4	0	2	5	2	0	3	0		
Burlington	24	0	0	0	0	2	0	1		0	0	1	1	1		
Massachusetts:																
Adams	13	0	0	0	0	0	0	0	0	0	0	0	4	1		
Arlington	21	1	4	0	0	0	1	1	0	0	3	11	2	5		
Belmont	13	0	1	0	0	0	0	1	1	3	2	1	0	3		
Beverly	24	28	23	24	10	16	5	24	7	16	21	18	28	26		
Boston	770	118	99	117	105	130	157	180	197	233	181	242	197	198		
Braintree	11	0	0	0	0	0	0	1	0	1	0	0	5	0		
Brockton	70	2	1	1	1	1	1	1	3	4	7	2	0	0		
Brookline	41	1	7	2	4	13	17	30	21	27	21	40	31	27		
Cambridge	111	8	8	9	16	10	18	13	13	17	18	18	23	20		
Chelsea	47	0	0	1	0	0	3	0	0	1	2	1	0	2		
Chicopee	40	0	0	0	0	11	18	8	6	16	32	21	7	18		
Clinton	13	0	0	0	0	0	0	0	0	0	0	1	0	0		
Danvers	12	3	2	6	2	0	9	0	6	3	1	0	0	0		
Easthampton	12	3	4	43	27	79	20	44	4	12	3	3	11	1		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## MEASLES, CASES—Continued.

		1924, week ended—												
Division, State, and city.	Population.	January—				February—				March—				
		5	12	19	26	2	9	16	23	1	8	15	22	29
NEW ENGLAND—contd.														
Massachusetts—Con.														
Everett.....	43	0	0	0	2	0	4	5	4	3	15	11	11	1
Fall River.....	121	2	1	2	0	0	3	2	3	3	3	8	18	12
Framingham.....	19	0	0	2	0	2	0	1	1	0	0	0	0	0
Gardner.....	18	0	0	1	0	2	5	6	0	4	3	5	0	0
Greenfield.....	17	0	3	0	3	20	11	28	19	18	24	21	35	49
Haverhill.....	57	2	5	0	4	1	3	6	2	1	3	0	1	1
Holyoke.....	61	8	10	5	12	16	10	8	15	13	10	11	12	20
Lawrence.....	97	5	5	7	3	10	6	7	5	4	12	15	18	9
Leominster.....	21	0	2	5	1	1	1	1	1	0	0	0	1	1
Lowell.....	115	1	2	8	1	3	1	3	2	5	5	4	5	7
Lynn.....	103	6	7	1	6	4	3	4	1	2	4	2	8	6
Malden.....	51	0	0	0	0	1	0	0	3	3	4	5	5	10
Medford.....	45	0	3	1	1	1	2	1	0	8	2	6	8	15
Melrose.....	19	0	1	0	0	0	0	0	0	0	0	0	1	0
Methuen.....	17	0	0	0	0	0	0	0	0	1	0	0	2	2
Milford.....	14	0	0	0	0	0	0	0	0	1	1	1	2	0
Natick.....	11	1	0	0	0	0	0	1	0	0	1	1	6	2
New Bedford.....	130	0	0	0	0	0	0	1	0	1	1	1	0	0
Newburyport.....	16	0	0	0	0	0	0	1	0	0	0	0	0	2
Newton.....	48	7	9	6	6	6	34	35	44	65	32	68	0	49
North Adams.....	22	0	0	0	0	12	3	9	3	12	13	14	45	15
Northampton.....	23	0	0	2	4	14	15	50	43	51	47	39	23	18
Peabody.....	21	2	1	1	0	1	0	0	0	1	0	2	1	0
Pittsfield.....	45	17	10	22	7	10	7	8	0	4	10	5	1	2
Quincy.....	53	5	3	1	0	2	0	0	0	7	6	32	36	40
Salem.....	43	3	0	2	4	3	11	8	10	6	4	8	8	7
Saugus.....	12	0	0	0	1	0	0	0	0	0	1	1	1	0
Somerville.....	99	0	4	8	2	14	7	9	7	7	10	24	13	0
Southbridge.....	15	0	0	0	1	0	0	0	0	0	0	1	1	0
Springfield.....	144	26	28	17	27	41	49	58	47	92	105	97	90	107
Taunton.....	38	0	0	0	0	0	0	0	0	0	0	0	0	0
Wakefield.....	14	1	0	3	0	1	0	0	1	0	0	0	2	1
Waltham.....	32	1	3	1	12	15	26	23	22	15	27	57	40	95
Watertown.....	25	3	9	0	12	10	17	3	1	1	2	1	0	0
Webster.....	14	0	3	11	5	17	16	7	4	10	8	13	19	5
West Springfield.....	15	0	0	0	0	0	0	0	0	0	0	0	0	0
Westfield.....	20	0	0	0	1	0	0	0	0	0	3	2	0	0
Winchester.....	11	1	0	3	0	2	2	0	1	0	0	0	1	0
Winthrop.....	17	0	0	0	1	1	3	0	0	2	9	0	0	1
Worcester.....	192	0	2	4	4	3	10	16	6	37	7	5	8	3
Rhode Island:														
Cranston.....	32	0	0	0	0	0	0	0	0	0	0	0	1	0
Cumberland.....	10	0	0	1	0	0	0	0	0	0	0	0	0	0
Newport.....	31	0	0	0	0	0	0	0	0	0	0	0	0	0
Pawtucket.....	69	0	0	0	0	1	0	0	0	4	0	0	1	0
Providence.....	242	1	1	0	2	4	1	0	0	1	3	3	0	0
Connecticut:														
Bridgeport.....	144	6	0	0	2	0	0	0	1	1	1	2	1	2
Bristol.....	23	1	0	0	1	1	1	1	0	0	0	0	0	0
Danbury (city).....	19	0	0	1	0	0	0	0	0	0	0	0	0	0
Fairfield.....	13	0	0	2	0	0	1	0	0	0	0	0	0	0
Greenwich.....	24	12	13	22	8	15	44	33	54	48	112	72	35	18
Hartford.....	138	1	12	16	12	11	27	66	15	60	25	46	46	42
Manchester.....	20	2	1	0	1	0	5	0	0	1	0	0	0	0
Milford.....	12	0	0	0	0	0	0	0	0	0	0	0	0	0
New Britain.....	65	1	5	0	2	0	0	1	2	0	0	0	2	2
New Haven.....	173	3	3	7	2	12	1	7	6	9	6	7	7	6
New London.....	28	0	0	1	0	1	0	0	1	1	0	1	1	1
Norwich (city).....	23	0	0	1	2	0	0	0	0	0	0	0	0	0
Stonington.....	11	0	2	3	2	2	0	0	0	0	0	0	0	0
Waterbury.....	98	1	0	0	0	0	0	0	0	0	0	0	1	0
MIDDLE ATLANTIC.														
New York:														
Albany.....	117	1	0	0	9	13	11	0	18	3	12	0	4	9
Amsterdam.....	34	26	31	41	29	67	91	80	54	34	34	17	33	26
Auburn.....	37	0	8	8	2	0	0	0	0	0	0	0	0	0
Buffalo.....	537	11	22	14	15	18	14	21	24	27	41	33	33	24
Cohoes.....	23	8	8	2	5	2	0	2	0	2	0	0	0	0
Cortland.....	14	0	0	0	0	2	0	5	4	7	8	0	7	0

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## MEASLES, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
MIDDLE ATLANTIC—contd.																
New York—Continued.																
Dunkirk	20	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Elmira	48	2	3	0	6	1	3	3	1	5	14	15	15	34		
Geneva	15	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Glens Falls	17	0	1	0	0	0	11	0	0	0	0	0	0	0	0	0
Hornell	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hudson	12	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Ithaca	18	1	0	2	3	0	1	2	0	1	1	1	1	1	0	0
Jamestown	42	3	7	30	13	29	21	18	0	13	10	4	7	5		
Lackawanna	19	3	0	2	0	5	2	6	8	14	69	26	32	13		
Little Falls	13	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0
Lockport	22	2	0	1	0	1	0	1	1	1	5	2	2	1		
Middletown	20	0	0	0	0	2	0	0	0	0	1	1	3	2		
Mount Vernon	47	1	1	0	1	1	0	1	1	0	1	1	4	2		
New York	5,928	484	485	523	596	653	771	924	1,160	1,528	1,679	1,916	2,091	1,980		
Newburgh	31	1	0	1	0	1	0	6	8	5	4	16	18	45		
Niagara Falls	58	5	4	20	20	14	12	6	12	15	21	7	31	20		
North Tonawanda	17	1	0	0	0	0	0	0	0	1	0	0	0	0		
Olean	23	2	1	0	0	0	0	0	0	1	0	1	0	1		
Peekskill	16	0	0	1	0	0	10	3	11	7	1	5	3	3		
Plattsburg	11	0	0	6	4	9	2	1	0	2	1	3	0	0		
Poughkeepsie	38	0	0	0	0	0	0	1	1	0	1	0	1	1		
Rochester	318	3	0	1	3	1	0	0	1	0	3	3	7	9		
Rome	28	79	50	21	15	30	21	3	20	18	13	7	6	1		
Saratoga Springs	13	1	1	6	1	0	1	1	1	0	1	0	1	0		
Schenectady	94	135	119	162	61	120	92	75	48	48	29	36	32	28		
Syracuse	185	51	58	65	47	78	62	75	53	85	57	62	43	52		
Troy	72	198	113	72												
Watertown	33	0	2		1	0	1	0	1	2	2	3	11	14		
White Plains	22	4	1	0	1	4	7	18	7	10	8	7	6	6		
Yonkers	108	2	2	3	2	5	2	1	6	0	1	5	3	3		
New Jersey:																
Asbury Park	13	0	1	0	0	0	0	0	0	1	0	0	0	0		
Atlantic City	52	0	1	2	0	0	0	0	1	2	0	3	2	0		
Bayonne	84	4	15	20	22	30	43	127	135	137	119	82	94	41		
Belleville	18	0	0	1	1	2	3	0	1	1	3	3	3	2		
Bloomfield	25	0	0	0	2	4	2	13	20	19	19	5	7	12		
Camden	124	0	0	1	0	0	2	2	2	0	0	2	0	0		
Carteret	13	0	0	0	0	0	0	8	0	0	6	0	0	0		
Clifton	32	1	1	2	3	0	0	0	0	0	1	0	1	1		
East Orange	57	1	3	1	2	1	1	3	0	3	4	2	3	2		
Elizabeth	104	1	3	0	8	2	8	1	2	2	14	2				
Englewood	12	0	0	1	1	0	0	0	0	0	0	0	0	1		
Garfield	23	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hackensack	19	0	0	0	0	2	1	1	1	1	4	8		19		
Harrison	16	0	0	3	0	1	1	1	10	4	6		0	7		
Hoboken	68	0	2	1	0	1	5	5	7	18	14	19	7	6		
Irvington	30						2	2	2	4	5	4	1	7		
Jersey City	309	37	31	32	40	27	42	48	43	52	40	71	75	54		
Kearny	30	0	1	1	0	6	0	3	13	8	14	37	25	67		
Long Branch	14	0	0	0	0	0	0	1	0	0	0	0	0	0		
Montclair	31	0	0	1	2	0	0	0	1	2	5	30	6	15		
Morristown	13	0	0	0	0	0	0	0	0	0	0	0	0	1		
Newark	439	17	12	29	37	49	58	63	64	89	66	114	86	107		
Orange	35	3	3	3	3	4	2	1	2	4	13	23	15	5		
Passaic	67	0	0	1	0	0	2	0	0	0	3	0	2	1		
Paterson	149	16	10	11	18	5	25	27	42	44	35	72	48	47		
Perth Amboy	45	7	5	9	5	6	3		16	5	2	5	0	5		
Phillipsburg	18	0	0	0	0	0	0	0	0	0	0	0	0	0		
Plainfield	30	64	64	27	17	7	14	7	6	4	7	5	4	2		
Rahway	12	9	17	19	13	13	23	2	2	3	1	6	10	11		
Summit	11	0	0	0	0	0	0	0	0	2	0	1	0	1		
Trenton	127	17	9	26	27	51	23	28	35	38	35	34	33	36		
Union	21	0	0	0	1	1	2	2	0	1	2	1	0	1		
West Hoboken	42	0	0	1	1	0	0	1	0	0	2	0	6	4		
West New York	36	0	5	5	1	5	2	7	8	4	4	7	11	7		
West Orange	17	9	5	11	6	8	1	2	1	1	1	0	4	2		
Pennsylvania:																
Allentown	87	1	3	0	2	1	1	6	6	2	9	5	7	6		
Altoona	64	0	7	1	1	0	0	0	0	0	0	0	0	1		
Ambridge	15	0			0	0	0	0	0	0	0	1	0	0		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## MEASLES, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
MIDDLE ATLANTIC—contd.																
Pennsylvania—Contd.																
Beaver Falls	13	4	5	3	4	2	1	1	2	3	1	0	1	0	0	0
Berwick	14	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
Bethlehem	60	3	10	1	5	5	12	2	5	12	4	4	7	9	1	0
Braddock	21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bradford	16	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Bristol	13	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Butler	25	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Canonsburg	12	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Carbondale	19	11	5	5	2	0	4	2	0	2	1	6	0	1	0	1
Carlisle	11	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Carnegie	12	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
Carrick	12	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0
Chambersburg	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Charlotoi	12	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
Chester	65	0	1	0	1	0	0	1	0	0	1	0	1	0	1	0
Coatesville	16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Columbia	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Connellsville	14	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dickson City	12	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Donora	16	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0
Du Bois	14	0	0	11	3	20	18	13	6	10	6	6	1	1	0	0
Dunmore	21	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Duquesne	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eaton	36	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Erie	113	14	14	12	18	14	19	31	35	18	23	13	19	15	0	0
Farrell	17	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Greensburg	16	1	1	0	3	0	3	3	7	6	5	3	8	6	0	0
Harrisburg	81	3	2	5	2	2	9	17	12	20	15	48	39	28	0	0
Hazleton	35	0	0	1	0	0	0	5	0	3	0	2	1	1	0	0
Homestead	21	0	0	0	0	0	0	5	2	0	5	0	0	1	0	0
Jeannette	11	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0
Johnstown	70	2	4	5	3	4	3	2	7	6	4	2	3	2	0	0
Lancaster	55	0	2	1	0	0	2	0	4	1	2	4	11	4	0	0
Lebanon	25	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
McKees Rocks	17	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
McKeesport	48	0	0	1	1	0	2	9	4	4	7	5	3	1	1	0
Mahanoy	16	0	0	0	0	0	0	0	1	0	0	0	2	1	0	0
Meadville	15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Monessen	20	0	0	0	0	0	1	0	6	10	26	18	28	63	0	0
Mount Carmel	17	0	0	1	8	23	0	13	35	24	9	14	7	0	0	0
Nanticoke	24	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
New Castle	48	41	3	23	8	32	24	55	88	0	0	88	38	28	0	0
New Kensington	14	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Norristown	34	0	0	0	1	0	0	1	1	1	0	3	1	1	0	0
North Braddock	16	4	0	3	0	1	0	0	0	0	0	2	0	3	0	0
Oil City	23	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Old Forge	13	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Olyphant	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Philadelphia	1,023	17	37	28	35	35	56	54	42	49	73	67	139	125	0	0
Phoenixville	10	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Pittsburgh	613	11	15	12	8	12	9	11	4	21	11	26	31	17	0	0
Pittston	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plymouth	17	0	0	0	1	0	0	0	2	1	3	0	0	0	1	0
Pottstown	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pottsville	22	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Punxsutawney	11	0	0	0	0	0	0	3	0	0	0	1	0	0	0	0
Reading	111	0	1	0	2	2	7	5	3	4	6	1	4	4	0	0
Scranton	141	0	7	3	6	4	0	4	1	4	5	2	13	2	0	0
Shamokin	22	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Sharon	24	0	2	0	2	1	2	4	2	0	0	3	7	6	0	0
Shenandoah	25	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Steelton	13	2	0	2	0	0	0	0	0	0	0	0	0	0	1	0
Sunbury	16	0	0	1	7	1	0	15	14	43	47	30	24	14	0	0
Swissvale	12	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0
Tamaqua	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uniontown	16	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Warren	15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Washington	22	30	17	11	25	7	33	16	19	11	21	4	5	2	0	0
West Chester	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilkes-Barre	76	12	5	11	5	3	12	6	12	23	9	24	28	27	0	0
Wilkesburg	26	0	0	0	0	0	1	0	1	2	0	1	1	1	0	0

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## MEASLES, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
MIDDLE ATLANTIC—contd.																
Pennsylvania—Contd.																
Williamsport.....	38	47	42	29	24	11	37	47	33	35	0	4	0	5		
Woodlawn.....	17	2	0	0	3	0	0	1	1	2	0	4	8	4		
York.....	49	0	0	0	0	0	0	0	0	0	0	2	0	0		
EAST NORTH CENTRAL.																
Ohio:																
Akron.....	208	1	0	0	3	1	0	12	1	0	1	3	0	5		
Alliance.....	24	0	0	0	0	0	2	1	1	1	0	0	0	4		
Ashtabula.....	24	0	0	0	0	0	0	0	0	0	0	0	0	0		
Barberton.....	22	1	1	0	0	0	0	0	0	0	0	0	0	0		
Bellaire.....	16	0	0	0	0	0	0	2	1	0	0	0	0	1		
Bucyrus.....	11	0	0	0	1	0	0	0	0	0	0	0	0	0		
Cambridge.....	14	0	0	0	0	0	0	0	0	0	0	1	0	0		
Canton.....	99	0	0	0	0	4	5	2	2	4	7	9	16	0		
Chillicothe.....	16	0	0	1	0	0	0	1	0	0	0	1	0	0		
Cincinnati.....	406	45	35	61	63	99	84	80	69	110	126	114	134	122		
Cleveland.....	889	12	7	14	8	18	17	17	22	34	47	38	51	68		
Cleveland Heights.....	20	0	1	0	0	1	0	0	0	0	0	0	0	1		
Columbus.....	261	0	2	1	3	3	4	6	2	5	3	5	2	1		
Cuyahoga Falls.....	12	0	0	0	0	0	0	0	0	0	0	0	0	0		
Dayton.....	166	0	1	3	0	0	0	3	0	1	3	5	3	2		
East Cleveland.....	34	0	0	1	1	0	5	0	3	0	5	13	7	0		
East Liverpool.....	22	0	0	0	0	0	0	0	0	0	0	1	0	0		
East Youngstown.....	15	0	0	0	0	0	0	0	0	0	0	0	0	0		
Elyria.....	23	1	0	0	0	1	0	0	0	0	1	0	2	0		
Findlay.....	18	0	0	2	1	0	0	0	0	0	0	0	2	0		
Fremont.....	13	0	0	0	0	0	0	0	0	0	0	0	0	1		
Hamilton.....	41	0	0	0	0	2	0	0	1	4	1	2	11	1		
Ironton.....	14	0	0	0	0	0	0	0	0	0	0	0	0	0		
Kenmore.....	17	0	0	0	0	0	0	0	0	0	0	0	0	0		
Lancaster.....	15	0	0	0	0	0	0	0	0	0	0	0	0	0		
Lima.....	45	1	1	0	3	0	0	2	0	1	0	4	7	9		
Lorain.....	41	0	1	2	1	0	2	2	0	7	3	3	16	5		
Mansfield.....	30	0	0	0	1	1	0	0	0	0	1	0	1	0		
Martins Ferry.....	13	0	0	0	0	0	1	0	0	0	0	0	0	1		
Middletown.....	29	0	0	0	0	0	0	0	0	0	0	0	0	0		
New Philadelphia.....	12	16	17	0	4	0	0	0	0	2	3	1	0	1		
Newark.....	30	0	0	1	0	0	0	0	0	0	0	0	0	0		
Niles.....	16	0	0	0	0	0	1	0	0	0	0	0	0	0		
Norwood.....	28	0	0	0	5	2	2	2	2	7	5	5	5	23		
Piqua.....	16	0	0	0	0	0	0	0	0	0	0	0	1	0		
Salem.....	11	1	0	1	1	1	1	0	0	0	0	0	0	0		
Sandusky.....	24	0	1	2	0	1	2	4	13	3	4	3	2	11		
Springfield.....	66	0	1	0	0	0	1	1	0	1	0	1	0	5		
Steubenville.....	31	0	1	1	0	0	2	1	1	0	0	3	3	2		
Tiffin.....	15	0	0	0	0	0	0	0	0	0	0	0	0	0		
Toledo.....	268	7	7	12	24	16	33	30	25	43	35	45	38	38		
Youngstown.....	132	3	2	1	5	1	1	1	2	1	3	2	9	3		
Zanesville.....	30	0	0	0	0	0	0	1	0	0	0	0	0	0		
Indiana:																
Anderson.....	32	67	104	40	68	47	59	34	1	0	15	15	0	4	0	
Bloomington.....	12															
Crawfordsville.....	10	2	10	0	51	36	25	53	38	50	20	23	27	18		
East Chicago.....	42	0	0	4	0	0	1	3	4	3	2	4	6	2		
Elwood.....	11	19	5	6	4	5	2	11	4	3	2	2	0	3		
Evansville.....	91	1	0	0	0	0	1	1	0	0	1	1	0	0		
Fort Wayne.....	94	1	3	6	5	0	6	3	4	8	4	0	12	6		
Frankfort.....	13	30	12	11	8	6	4	5	5	3	1	2	1	0		
Gary.....	69	1	2	1	0	0	0	3	3	3	3	3	3	3		
Hammond.....	47	1	0	0	1	0	4	1	2	4	0	3	5	4		
Huntington.....	15	0	4	3	9	2	25	16	8	4	4	3	5	0		
Indianapolis.....	343	18	14	20	8	7	2	20	13	5	43	47	72	52		
Kokomo.....	35	1	4	3	0	8	8	2	5	4	8	7	29	10		
La Fayette.....	23	1	0	0	0	0	0	1	0	0	0	0	1	1		
La Porte.....	17	0	0	0	0	0	0	0	0	0	0	4	1	0		
Logansport.....	22	0	1	0	0	0	0	0	1	0	1	0	3	10		
Michigan City.....	20	0	0	0	0	0	0	0	0	0	0	0	0	0		
Mishawaka.....	16	0	0	0	0	0	0	2	0	0	0	0	0	0		
Muncie.....	40	5	5	18	20	25	75	49	67	137	199	133	166	0		
Newcastle.....	16	0	0	0	1	0	0	0	0	1	1	0	3	0		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## MEASLES, CASES—Continued

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
EAST NORTH CENTRAL—continued.																
Indians—Continued.																
Richmond	29	1	0	1	0	1	0									
South Bend	77	0	1	0	2	1	0	1	1	2	3	1	1	2		
Terre Haute	69	0	2	1	4	0	4	6	3	1	10	0	6	4		
Whiting	11								0	0			2	0		
Illinois:																
Alton	26	1	0	0	1	0	0	0	0	0	0	1	0	0		
Aurora	39	1	1	4	0	2	4	3	1	1	0	0	2	1		
Berwyn	17	4	1	3		0	0	0	0	0	0	0	0	0		
Bloomington	36	5	4	5	4	0	3	0	1	0	5	1	3	3		
Blue Island	12	0	2	0	0	0	0	0	0	0	0	0	1	0		
Centralia	14	0	0	0	0	0	0	0	0	0	0	0	0	0		
Champaign	18	0	0	0	0	0	0	0	0	2	2	0	0	1		
Chicago	2,886	48	56	79	80	83	77	96	58	90	109	169	136	168		
Cicero	56	0	0	0	0	0	1	0	0	0	0	0	0	0		
Danville	36	4	1	2	0	0	0	0	0	0	0	0	0	0		
Decatur	48	0	3	1	3	0	2	1	1	2	0	0	6	22		
East St. Louis	70	0	2	0	0	2	0	0	0	0	0	2	4	2		
Elgin	28	13	10	4	2	0	2	0	1	0	1	2	1	2		
Evanston	41	1	0	2	1	2	1	0	2	0	0	1	2	1		
Forest Park	12	0	3	0	0	3	3	2	0	3	0	1	1	0		
Freeport	20	0	0	1	0	0	0	0	0	0	0	0	1	1		
Galesburg	24	0	2	0	9	12	28	13	7	19	10	4				
Herrin	12	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jacksonville	16	0	0	0	0	0	0	0	0	0	2	3	27	11		
Kewanee	19	17	4	12	54	14	27	34	40	49	51	49	74	60		
La Salle	14	1	0	0	0	0	0	1	0	0	1	0	0	0		
Mattoon	14	4	6	15	11	40	23	33	17	9	13	7	2	0		
Oak Park	47	7	6	1	1	3	1	0	1	1	1	3	0	6		
Peoria	80	0	0	0	0	0	1	0	0	0	1	2	0	30		
Quincy	37	0	2	1	1	3	0	0	4	0	0	1	2	2		
Rock Island	38	67	65	75	30	56	8	18	8	15	12	16	7	12		
Rockford	72	0	0	0	0	1	0	6	4	48	89	74	89	55		
Springfield	62	0	0	0	1	0	1	1	0	0	0	1	3	0		
Urbana	11	1	0	1	1	0	0	0	0	0	1	1	0	1		
Michigan:																
Alpena	11	21	28	17	27	14	12	14	16	8	5	5	13	4		
Ann Arbor	21	16	6	10	4	9	3	8	6	2	8	7	3	1		
Battle Creek	40	1	0	0	1	0	1	0	0	0	0	1	1	1		
Benton Harbor	13	0	0	0	0	0	0	0	0	1	0	1	0	0		
Detroit	996	79	87	63	65	77	62	93	108	156	133	154	187	213		
Flint	118	73	134	70	48	34	25	42	29	45	24	52	27	25		
Grand Rapids	146	2	4	3	3	0	1	3	3	2	1	4	1	1		
Hamtramck	70	0	3	0	0	2	5	0	0	2	3	4		6		
Highland Park	63		4	3	1	6	11	18	5	54	19	28	18	18		
Holland	13	26	30	38	12	40	47	49	23	9	10	3	4	9		
Ironwood	17	6	13	10	11	14	21	10	14	14	12	15	14	37		
Ishpeming	11	4	3	1	3	2	9	0	7	0	1	1	1	0		
Jackson	54	1	1	2	1	1	0	0	0	0	1	2	1	0		
Kalamazoo	52	0	0	1	0	0	0	2	0	0	1	0	0	3		
Marquette	13	0	0	0	0	1	1	3	1	0	0	0	0	0		
Muskegon	41	0	1	1	0	0	3	0	1	1	0	0	0	1		
Pontiac	41	3	1	6	8	2	1	2	3	4	8	26	9	33		
Port Huron	28	1	1	1	7	3	70	44	107	163	230	243	94	119		
Saginaw	70	6	14	8	6	2	6	3	7	4	20	12	13	18		
Sault Ste. Marie	12	18	9	13	2	1	1	0	0	0	0	0	0	0		
Wisconsin:																
Appleton	21	0	0	0	1	1	0	2	7	56	23	38	20	14		
Ashland	11	0	0	0	0	0						3				
Beloit	24	0	1	0	0	0	0	0	0	1	9	0	0	0		
Eau Claire	22	7	8	14	13	16	38	17	55	37	70	74	56	99		
Fond du Lac	25	0	0	1	4	1	0	1	1	3	2	1	6	4		
Green Bay	33	0	1	2	2	0	0	0	0	0	0	0	0	1		
Janesville	20	0	3	0	1	1	1	0	0	5	0	1	4	0		
Kenosha	47	0	1	0	0	1	1	1	3	0	3	2	1	3		
La Crosse	30	1	1	0				2		3		2	2	0		
Madison	43	0	0	0	1	3	2	1	2	3	2	0	0	1		
Manitowoc	19	0	0	0	0	0	0	0	0	0	1	0	0	0		
Marinette	14	5	5	3	2	1	2	0	3	0	0	0	0	0		
Milwaukee	485	5	4	7	3	3	5	7	8	14	36	17	26	11		
Oshkosh	33	35	21	48	32	27	20	54	20	22	12	12	22	15		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## MEASLES, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
EAST NORTH CENTRAL—continued.																
Wisconsin—Contd.																
Racine.....	64	0	2	1	0	1	1	2	0	1	0	1	0	0		
Sheboygan.....	33	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stevens Point.....	12	0	0	0	0	0	0	0	0	0	0	0	1	0		
Superior.....	40	0	5	2	2	1	0	0	0	0	0	1	0	0		
Waukesha.....	14	0	1	0	0	0	1	0	0	1	0	0	0	1		
Wausau.....	20	2	8	6	9	2	1	0	0	0	0	2	1	1		
West Allis.....	16	0	0	0	0	0	0	1	0	0	0	0	0	0		
WEST NORTH CENTRAL.																
Minnesota:																
Duluth.....	106	10	20	5	1	2	1	5	0	1	2	8	1	4		
Faribault.....	12	4	3	3	10	1	22	2	2	1	0	0	0	0		
Hibbing.....	17	0	0	0	1	0	0	0	0	0	0	0	1	0		
Minneapolis.....	409	8	21	3	11	14	13	16	13	27	18	56	41	54		
Rochester.....	16	9	16	13	19	20	27	20	20	23	15	10	7	10		
St. Cloud.....	18	0	0	0	0	0	0	0	0	0	0	0	0	0		
St. Paul.....	242	17	21	13	36	20	52	42	37	46	42	37	37	30		
Virginia.....	15	0	0	0	0	0	0	0	0	0	0	0	0	0		
Winona.....	19	0	9	3	4	9	30	28	20	17	6	15	22	18		
Iowa:																
Burlington.....	24	1	0	0	0	0	1	0	0	0	0	0	0	0		
Cedar Rapids.....	50	0	0	0	0	0	0	0	0	0	0	0	0	0		
Clinton.....	24	0	0	3	0	1	0	1	2	4	0	1	0	1		
Council Bluffs.....	39	4	17	26	27	72	42	110	44	34	27	3	10	0		
Davenport.....	61	0	0	0	0	1	0	3	0	2	0	1	0	0		
Des Moines.....	141	18	16	28	27	16	33	39	20	19	9	12	11	9		
Dubuque.....	39	0	0	0	1	1	0	1	0	4	1	1	2			
Iowa City.....	12	1	3	2	12	12	26	23	14	18	16	13	23	33		
Marshalltown.....	17	0	0	0	1	0	0	1	1	0	0	0	3	0		
Muscatine.....	16	14	10	26	5	16	18	25	9	17	9	15	5	5		
Ottumwa.....	23	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sioux City.....	80	10	10	1	4	0	1	1	2	2	2	0	2	0		
Waterloo.....	40	5	9	1	0	0	2	1	1	0	3	4	4	6		
Missouri:																
Cape Girardeau.....	11	0	2	0	1	0	2	2	2	0	0	0	0	0		
Independence.....	12	3	1	5	3	2	1	0	4	7	17	9	20	23		
Joplin.....	30	0	1	2	10	39	26	50	28	50	14	21	7	8		
Kansas City.....	352	79	111	122	86	110	98	116	71	76	76	100	104			
St. Joseph.....	78	85	62	64	58	50	31	29	21	11	4	5	0			
St. Louis.....	804	3	6	8	12	11	24	15	9	39	31	52	64	61		
North Dakota—Grand Forks.....	15	0	0	7	2	4	2	3	4	11	9	30	31	51		
South Dakota:																
Aberdeen.....	16	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sioux Falls.....	29	273	108	42	53	5	22	12	11	3	2	2	45			
Nebraska:																
Lincoln.....	59	91	0	72	90	115	96	103	54	92	73	37	30	27		
North Platte.....	13	6	26	0	0	0	0	0	0	0	0	0	0	0		
Omaha.....	204	13	28	12	35	31	69	33	114	151	141	180	128	149		
Kansas:																
Atchison.....	13	0	23	2	5	0	2	1	0	0	0	2	1			
Coffeyville.....	14	1	1	0	0	1	1	1	0	0	0	3	1	8		
Fort Scott.....	11	0	0	0	0	1	1	1	2	1	0	0	0	0		
Hutchinson.....	26	1	1	4	0	7	20	32	20	124	50	90	66	42		
Kansas City.....	116	86	51	38	39	42	57	51	71	31	42	54	0			
Lawrence.....	12	0	3	2	25	31	58	90	54	31	34	35	24			
Leavenworth.....	17	39	35	44	24	17	4	5	1	4	2	0	5	0		
Parsons.....	17	4	0	2	9	10	6	14	8	6	4	3	17	2		
Pittsburg.....	19	3	2	2	5	8	3	6	2	3	1	4	3	8		
Topeka.....	53	14	25	20	68	95	95	151	259	409	358	428	339	185		
Wichita.....	79	8	23	85	45	180	233	364	293	276	350	211	171	121		
SOUTH ATLANTIC.																
Delaware—Wilmington...																
Maryland:	118	0	1	2	1	8	0	0	0	1	0	0	2	4		
Baltimore.....	774	31	29	37	39	40	44	98	63	141	184	144	225	204		
Cumberland.....	32	0	0	0	1	0	0	0	0	0	0	0	0	0		
Frederick.....	11	0	0	8	6	8	28	52	36	37	27	36	16	10		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## MEASLES, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
SOUTH ATLANTIC—contd.																
District of Columbia—																
Washington.....	438	3	8	4	9	13	7	13	7	14	5	14	18	14		
Virginia:																
Alexandria.....	18	0	0	1	0	0	0	3	0	2	0	0	0	0	0	0
Charlottesville.....	11	0	0	1	0	0	0	1	0	0	0	0	0	3	0	0
Danville.....	22	0	0	5	1	6	6	28	18	32	76	42	27	1		
Lynchburg.....	30	1	1	1	0	0	1	0	1	0	1	1	2	2	1	
Newport News.....	36	3	13	9	18	4	12	12	28	25	73	26	34	44		
Norfolk.....	159	28	47	58	45	42	37	38	85	58	79	76	72	97		
Petersburg.....	34	1	1	0	1	2	1	1	1	3	3	0	5	0		
Portsmouth.....	57	2	3	4	7	4	6	6	6	15	29	24	22	9		
Richmond.....	181	3	1	4	6	29	13	39	34	40	34	36	38	59		
Roanoke.....	56	1	2	0	1	0	0	0	0	0	0	1	1	1		
West Virginia:																
Bluefield.....	17	0	0	0	0	0	0	0	1	1	0	1	0	1		
Charleston.....	46	1	0	0	0	0	0	0	0	0	0	0	1	0		
Clarksburg.....	29	1	0	1	0	0	0	1	0	0	1	3	10	3		
Fairmont.....	20	0	0	0	0	0	0	0	0	0	0	0	0	1		
Huntington.....	58	0	0	0	0	0	0	0	0	0	0	0	4	0		
Martinsburg.....	13	0	0	0	0	0	0	0	0	0	0	1	0	0		
Morgantown.....	13	0	0	0	0	1	0	0	0	0	0	1	3	2		
Parkersburg.....	21	0	0	0	0	0	0	0	0	0	0	0	0	0		
Wheeling.....	56	1	0	3	3	3	1	3	2	9	7	6	3	7		
North Carolina:																
Durham.....	23	1	3	2	1	5	11	3	3	7	3	6	23	14		
Greensboro.....	44	4	2	6	2	10	1	10	13	26	24	33	27	60		
Raleigh.....	29	3	3	1	18	8	18	22	12	7	0	7	9	7		
Rocky Mount.....	14	0	0	0	0	0	0	0	0	0	0	0	0	0		
Wilmington.....	36	1	31	13	25	32	28	31	23	40	77	27	77	45		
Winston-Salem.....	56	177	99	158	133	111	115	116	72	87	91	66	50	45		
South Carolina:																
Charleston.....	71	37	19	16	17	83	4	4	0	1	0	0	3	0		
Columbia.....	40	138	67	94	36	53	48	50	41	52	57	36	32	27		
Greenville.....	26	8	17	12	22	41	54	63	70	66	107	36	60	34		
Georgia:																
Albany.....	13	0	1	0	0	0	0	0	0	1	2	7	1			
Atlanta.....	223	32	19	12	10	8	9	8	12	9	7	8	14	8		
Augusta.....	54	2	2	11	9	2	9	8	0	18	12	18	1	5		
Brunswick.....	16	0	4	19	33	18	38	43	68	63	71	45	30	33		
Lagrange.....	21	3	6	1	1	0	9	8	5	7	0	11	9	0		
Macon.....	56	16	4	50	10	20	25	30	48	60	78	50	74	100		
Rome.....	14	7	7	1	5	5	3	3	0	0	0	0	0	0		
Savannah.....	89	13	15	5	20	17	10	44	18	32	21	32	14	17		
Florida:																
St. Petersburg.....	24	58	60	34	54	29	43	26	21	15	10	4	2	3		
Tampa.....	56	17	16	18	28	13	10	5	13	11	14	4	6	5		
EAST SOUTH CENTRAL.																
Kentucky:																
Covington.....	58	0	0	0	3	3	6	11	0	0	2	9	4	5		
Henderson.....	12	0	0	0	0	1	0	0	0	0	0	0	0	0		
Lexington.....	44	0	1	2	4	3	5	3	4	20	40	55	1			
Louisville.....	258	1	0	2	2	1	2	1	2	0	5	3	6	8		
Paducah.....	25	0	2	0	1	11	1	2	8	4	9	7	10	6		
Tennessee:																
Knoxville.....	89	25	21	21	42	37	74	91	72	101	57	41	36	24		
Memphis.....	170	24	62	53	65	38	35	22	55	55	45	46	32	51		
Nashville.....	121	3	0	5	4	7	0	1	3	13	13	13	16	4		
Alabama:																
Anniston.....	20	0	0	0	0	0	0	2	2	0	3	0	11	1		
Birmingham.....	196	14	29	34	39	64	46	71	67	172	76	104	151	89		
Dothan.....	11	4	4	0	0	2	4	4	0	0	0	0	0	0		
Mobile.....	64	3	0	2	0	0	5	5	5	8	4	9	15	5		
Montgomery.....	45	0	1	2	8	5	4	7	31	15	10	12	7	11		
Selma.....	16	29	59	38	75	45	61	43	33	46	27	30	15	5		
Tuscaloosa.....	13	0	0	0	4	1	12	9	3	25	22	2	8	4		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## MEASLES, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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		5	12	19	26	2	9	16	23	1	8	15	22	29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
WEST SOUTH CENTRAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Fort Smith.....	31	0	3	0	2	0	13	39	138	144	217	0	154	193																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Little Rock.....	71	2	3	3	15	3	11	27	31	51	39	28	46	55																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
North Little Rock.....	15	0	0	3	5	5	5	0	15	10	6	8	13	8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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New Orleans.....	405	27	30	32	102	104	67	115	120	112	111	114	164	179																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Shreveport.....	55	17	14	14	32	8	23	9	5	6	4	4	6	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Oklahoma:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Guthrie.....	12	0					6		6	16	33	15	15	21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Oklahoma.....	101	4	11	4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Shawnee.....	16	3	14	12	27	102	37	36	12	25	4	19	7	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Tulsa.....	102	0		0	1	8	5	7	15	9	13	7	11	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Amarillo.....	17	0	4	0	0	11	0	20	15	23	100	80	0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Beaumont.....	47	3	1	3	4	1	3	0	22	10	12	18	14	30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Corpus Christi.....	11	0	0	0	0	0	10		24	26	26	28	24	18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Dallas.....	177	304	317	307	362	372	243	297	225	203	131	74	49	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
El Paso.....	96	3	0	5	5	3	10	3	10	11	13	15	8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Fort Worth.....	144	18	30	0	61	59	51	53	55	1	14	3	7	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Galveston.....	47	0	0	0	0	0	10	13	7	8	14	23	7	15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Houston.....	155	1	1	10	21	50	110	131	150	183	132	105	54	34																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
San Antonio.....	185	1	7	4	18	27	34	79	62	74	45	62	34	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Texarkana.....	12			5										58																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Waco.....	42	0	2	0	0	1	0	1	0	0	0	0	1	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
MOUNTAIN.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Montana:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Anaconda.....	12	1	1	2	0	0	0	0	0	0	1	0	0	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Billings.....	17	142	138	47	42	28	23	7	12	3	5	4	3	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Butte.....	42	10	45	19	35	17	6	17	7	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Great Falls.....	28	17	39	57	138	204	129	119	103	95	62	52	26	29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Helena.....	12	0	0	2	21	8	0	16	35	15	60	65	28	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Missoula.....	13	0	1	11	2	25	20	80	9	28	15	37	33	39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Idaho—Boise.....	23	0	0	0	2	8	3	20	10	34	92	94	124	58																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Colorado:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Boulder.....	12		27				7	9	0	8				1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Denver.....	272	15	31	19	25	60	51	97	63	93	107	109	125	93																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Pueblo.....	44	90	123	143	168	179	232	257	225	159	96	49	39	30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Trinidad.....	11	5	9	10	17	25	18	20	14	11	4	2	0	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
New Mexico—Albuquerque.....																	17	0	8	2	12	3	0	20	13	9	18	20	40	38																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Utah:																	11	0												0	4	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Provo.....																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## MEASLES, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
PACIFIC—continued.																
California—Continued.																
San Bernardino.....	21	0	1	2	2	14	6	10	12	10	28	7	39	19		
San Diego.....	87	1	13	9	32	45	48	66	72	72	48	54	40	40		
San Francisco.....	539	131	108	128	112	117	95	92	109	96	110	112	92	87		
Santa Ana.....	18	0	0	0	1	0	2	3	2	0	0	0	2	1		
Santa Cruz.....	11	2	1		0	0	0	0	0	1	0	0	0	0		
Stockton.....	45	2	0	0	0	0	0	0	0	1	0	1	1	0		
Vallejo.....	25	0	0	2	0	0	0	0	0							

## SCARLET FEVER, CASES.

NEW ENGLAND.																
Maine:																
Auburn.....	18	0	0	0	0	0	0	0	1	1	1	0	1	0		
Bangor.....	26	0	0	1	2	0	0	0	0	1	0	0	0	0		
Bath.....	17	0	0	0	0	0	1	0	0	0	0	0	0	0		
Biddeford.....	18	0	0	0	0	0	0	0	0	0	0	0	0	0		
Lewiston.....	34	3	1	0	1	2	6	2	0	3	2	0	1	2		
Portland.....	73	1	1	0	1	4	2	3	0	0	0	0	1	0		
Sanford.....	11	3	4	1	4	3	9	8	17	12	0	7	4	4		
Waterville.....	1	0	0	0	0	0	0	1	0	0	0	1	1	1		
New Hampshire:																
Concord.....	22	0	0	0	0	0	0	0	0	1	0	0	0	0		
Dover.....	13	0	0	0	0	0	0	0	0	0	0	0	0	1		
Kennebunk.....	12	3	7	4	5	3	4	5	4	3	1	1	3	1		
Manchester.....	81	3	1	2	1	2	4	5	4	8	0	2	5	5		
Nashua.....	29	3	0	2	5	0	4	4	3	2	3	1	0	3		
Vermont:																
Barre.....	10	1	2	2	0	0	1	0	0	1	0	0	0	1		
Burlington.....	24	0	2	1	2	2	1	3	0	3	2	2	2	2		
Massachusetts:																
Adams.....	13	0	0	1	0	2	0	0	0	0	0	0	0	0		
Arlington.....	21	1	3	5	3	8	5	4	1	3	2	2	1	2		
Belmont.....	13	1	1	0	2	2	0	0	1	2	2	1	4	3		
Beverly.....	24	1	0	0	4	1	2	2	5	8	4	6	0	3		
Boston.....	770	114	124	146	141	161	124	123	130	126	148	164	115	124		
Braintree.....	11	0	0	0	1	0	0	0	1	0	1	0	0	0		
Brockton.....	70	11	19	11	8	3	19	11	14	16	12	8	8	8		
Brookline.....	41	7	3	13	13	8	5	0	9	4	6	4	5	5		
Cambridge.....	111	26	17	32	25	17	22	22	13	18	24	17	16	18		
Chelsea.....	47	1	9	3	3	2	0	2	5	1	3	3	5	1		
Chicopee.....	40	0	0	0	1	0	0	3	3	4	2	11	0	3		
Clinton.....	13	0	2	0	0	1	1	0	1	0	1	1	1	0		
Danvers.....	12	0	0	0	1	0	1	0	0	1	1	1	1	1		
Easthampton.....	12	0	0	0	0	0	1	0	0	0	0	0	0	0		
Everett.....	43	3	8	0	3	5	8	7	5	8	4	6	7	10		
Fall River.....	121	2	2	8	1	11	3	4	6	13	14	11	16	16		
Framingham.....	19	0	0	3	0	1	0	0	2	0	1	1	1	1		
Gardner.....	18	0	0	0	0	0	0	0	0	0	0	1	0	4		
Greenfield.....	17	1	1	0	1	0	0	0	1	0	0	1	2	2		
Haverhill.....	57	1	6	12	4	2	2	6	5	7	8	1	3	10		
Holyoke.....	61	5	1	0	1	0	0	2	2	1	0	1	0	1		
Lawrence.....	97	3	0	3	1	1	3	0	4	2	0	2	3	2		
Leominster.....	21	4	12	18	21	7	9	32	24	26	26	32	20	13		
Lowell.....	115	6	7	7	5	7	6	3	4	6	1	8	4	10		
Lynn.....	103	4	5	6	3	3	4	4	5	3	4	4	6	9		
Malden.....	51	7	9	9	19	14	12	11	6	6	12	7	13	19		
Medford.....	45	12	12	20	13	19	13	6	8	11	5	9	13	12		
Melrose.....	19	3	5	9	6	6	3	5	6	5	7	6	0	3		
Methuen.....	17	0	0	0	0	0	1	0	0	1	0	1	1	1		
Milford.....	14	1	0	3	1	0	1	0	0	2	2	4	1	4		
Natick.....	11	0	1	5	0	0	0	0	0	1	0	0	0	0		
New Bedford.....	130	1	2	3	6	3	2	3	4	8	5	6	2	4		
Newburyport.....	16	0	0	0	0	0	1	0	1	0	1	0	0	0		
Newton.....	48	4	9	2	4	5	2	2	1	5	0	3	1	0		
North Adams.....	22	0	0	0	0	0	1	0	1	0	0	1	0	2		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## SCARLET FEVER, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—												
		January—				February—				March—				
		5	12	19	26	2	9	16	23	1	8	15	22	29
NEW ENGLAND—continued.														
Massachusetts—Contd.														
Northampton	23	3	4	1	0	2	0	1	0	0	1	0	0	0
Peabody	21	3	3	7	8	3	6	10	0	1	1	3	5	5
Pittsfield	45	1	7	3	6	11	19	29	11	14	12	8	5	12
Quincy	53	1	3	14	10	10	3	10	2	8	5	1	1	7
Salem	43	6	13	15	5	9	16	12	7	7	3	2	4	7
Saugus	12	0	2	0	2	0	1	0	2	0	0	0	0	0
Somerville	99	25	15	22	13	21	21	26	18	15	20	13	22	23
Southbridge	15	0	0	0	0	0	2	1	3	0	2	0	0	0
Springfield	144	15	13	10	13	9	12	17	9	11	13	28	27	18
Taunton	38	0	0	1	2	1	0	7	4	0	0	0	0	0
Wakefield	14	2	6	5	4	8	1	2	3	4	2	3	1	0
Waltham	32	2	2	3	3	6	3	6	4	2	6	4	6	6
Watertown	25	4	1	3	5	19	9	12	12	9	10	12	7	14
Webster	14	0	0	2	0	0	0	0	0	2	2	1	0	0
Westfield	20	1	3	0	0	0	1	0	0	4	2	1	6	6
Winchester	11	0	1	4	0	3	4	2	2	0	1	4	3	1
Winthrop	17	4	2	2	1	2	0	3	5	1	4	4	3	4
Worcester	192	24	27	23	27	23	0	0	21	19	28	26	28	32
Rhode Island:														
Central Falls	25	0	2	1	1	1	3	3	2	1				
Cranston	32	8	5	2	8	3	6	6	5	7	13	9	9	8
Cumberland	10	1	0	1	0	0	0	0	0	0	0	0	0	0
Newport	31	0	1	1	2	1	1	2	5	4	2	1	4	1
Pawtucket	69	0	2	12	5	6	10	3	8	5	11	8	2	3
Providence	242	61	56	60	67	67	90	68	64	61	93	85	66	90
Connecticut:														
Bridgeport	144	22	5	6	4	19	13	11	4	13	14	17	9	18
Bristol	23	2	1	0	6	7	3	4	3	3	2	0	0	0
Danbury (city)	19	1	1	2	1	0	3	0						
Fairfield	13	6	2	1	0	2	2	2	0	6	3	1	2	1
Greenwich	24	0	2	1	1	1	2	0	0	0	0	0	1	2
Hartford	138	21	36	45	53	58	41	39	45	56	44	61	62	45
Manchester	20	1	1	0	1	3	0	1	2	0	2	1	1	1
Milford	12	3	1	1	0	1	1	0	2	0	0	2	0	0
New Britain	65	6	6	13	11	3	10	4	14	7	12	12	8	7
New Haven	173	20	19	17	16	10	11	8	14	24	22	12	12	15
New London	28	0	0	1	0	3	0	0	2	1	1	0	2	0
Norwich (city)	23		0	0	0	1	0	0	0	0	1			
Stonington	11	0	1	1	0	1	2	0	0	1	0	0		
Waterbury	98	10	18	14	18	15	27	17	7	4	17	16	10	3
MIDDLE ATLANTIC.														
New York:														
Albany	117	12			19	16	22		14	12	14		11	6
Amsterdam	34	5	5	3	1	1	2	2	5	2	6	4	2	4
Auburn	37	0	1	1	0	3	0	0	0	0	0	0	2	0
Buffalo	537	25	35	40	34	25	34	34	22	24	23	21	19	24
Cortland	14	1	0	0	0	1	0	0	0	0	0	0	0	0
Dunkirk	20	1	5	5	0	2	1	6	3	4	2	2	1	1
Elmira	48	13	2	4	2	7	4	3	2	6	0	3	5	3
Geneva	15	0	0	0	0	0	0	0	0	0	0	0	0	0
Glens Falls	17	0	0	0	0	0	0	0	0	0	0	0		
Hornell	16	0	0	0	1	1	0	0	0	0	2	0	1	0
Hudson	12	0	0	0	0	0	0	0	0	1	2	0	0	2
Ithaca	18	0	0	2	1	0	1	0	1	0	0	0	2	3
Jamestown	42	16	14	4	7	12	8	9	18	25	14	24	17	11
Lackawanna	19	0	0	0	1	0	0	1	0	0	1	0	1	2
Little Falls	13	0	0	0	0	0	0	1	0	0	0	0	0	0
Lockport	22	4	2	6	10	16	14	14	10	7	4	5	11	4
Middletown	20	0	2	1	1	1	1	1	0	2	0	1	0	0
Mount Vernon	47	0	2	1	1	2	0	0	2	0	0	0	0	4
New York	5,928	177	194	228	253	252	244	242	239	263	268	275	307	278
Newburgh	31	5	1	5	0	4	1	2	1	4	5	14	3	4
Niagara Falls	58	1	3	4	1	5	1	2	1	1	3	1	0	0
North Tonawanda	17	9	6	5	1	2	1	2	1	2	1	4	2	4
Olean	23	4	3	1	3	1	0	2	0	2	10	2	3	12
Peekskill	16	0	0	1	2	4	4	0	1	1	1	3	2	5
Plattsburg	11	0	0	0	0	1	1	0	0	0	1	0	2	0
Poughkeepsie.	38	9	9	7	19	19	21	31	13	27	31	21	13	
Rochester	318	28	13	17	11	8	13	9	7	14	13	7	22	16

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## SCARLET FEVER, CASES—Continued.

Division, State, and city.	Popu-lation.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
MIDDLE ATLANTIC—contd.																
New York—Continued.																
Rome	28	4	2	5	8	6	5	3	2	2	4	4	6	2		
Saratoga Springs	13	2	3	1	0	2	0	0	0	0	0	0	0	3		
Schenectady	94	14	10	18	5	15	8	20	25	29	23	19	16	20		
Syracuse	185	41	65	45	64	57	78	76	54	69	55	60	42	48		
Watertown	33	3	2		3	2	2	0	4	4	4	2	1	1		
White Plains	22	0	0	0	0	1	0	1	0	1	0	2	2	0		
Yonkers	108	2	6	4	8	8	5	3	0	3	8	12	3	4		
New Jersey																
Asbury Park	13	1	0	3	0	0	0	0	1	0	0	0	0	0		
Atlantic City	52	5	2	6	1	2	4	2	0	4	0	3	2	2		
Bayonne	84	1	2	2	2	2	4	3	2	3	2	5	1	1		
Belleville	18	1	3	2	2	1	2	2	1	1	5	5	0	1		
Bloomfield	25	1	1	2	3	0	2	2	3	3	0	1	2	1		
Camden	124	2	4	3	3	1	4	3	2	3	5	1	3	5		
Clifton	32	0	4	0	1	1	0	1	1	2	0	0	3	0		
East Orange	57	5	4	4	3	5	6	2	3	3	5	6	3	7		
Elizabeth	104	2	3	9	8	5	10	5	2	2	3	1	2	0		
Englewood	12	0	0	0	0	1	0	0	0	0	1	0	0	0		
Garfield	23	0	0	0	2	5	1	0	0	0	5	1	2	0		
Hackensack	19	2	3	3	0	2	0	1	1	1	0	0	0	0		
Harrison	16	1	0	2	0	0	0	0	0	1	0	0	0	0		
Hoboken	68	9	9	8	6	5	6	3	6	5	6	4	15	4		
Irvington	30							4	0	4	2	5	1	3		
Jersey City	309	12	8	15	10	8	10	24	18	27	17	11	20	13		
Kearny	30	1	2	0	1	0	1	3	1	3	4	1	2	1		
Long Branch	14	0	0	1	0	0	0	1	0	0	0	0	0	0		
Montclair	31	0	2	1	0	0	3	4	3	7	10	3	1	4		
Morristown	13	0	0	1	0	0	1	1	0	0	1	0	0	0		
Newark	439	15	18	16	17	29	21	24	22	29	36	24	20	33		
Orange	35	1	0	0	0	2	3	3	0	1	0	0	0	1		
Passaic	67	1	1	2	2	4	5	1	3	3	5	1	2	1		
Paterson	140	5	13	10	11	6	19	13	9	10	15	11	6	9		
Perth Amboy	45	1	3	3	1	0	1	1	0	0	4	0	2	1		
Phillipsburg	18	0	0	0	0	1	0	0	0	0	0	0	0	0		
Plainfield	30	1	6	6	4	3	7	6	2	6	5	3	3	8		
Rahway	12	0	0	0	1	0	0	0	0	0	0	1	0	0		
Summit	11	0	0	1	0	0	0	0	0	0	0	0	0	0		
Trenton	127	0	5	0	7	4	7	2	6	6	4	9	3	1		
Union	21	1	7	3	5	4	2	5	2	5	2	3	2	2		
West Hoboken	42	2	0	2	3	5	1	0	3	2	2	3	0	3		
West New York	36	0	0	3	2	3	1	3	2	3	3	1	2	3		
West Orange	17	0	0	1	0	2	0	1	0	1	0	0	0	0		
Pennsylvania																
Allentown	87	5	8	0	4	2	3	3	12	11	18	8	14	10		
Altoona	64	2	0	1	0	0	1	2	4	5	2	2	2	1		
Ambridge	15	2	0		1	2	3	2	1	1	1	1	1	1		
Beaver Falls	13	2	6	6	7	5	8	7	6	6	3	6	5	7		
Berwick	14	2	2	6	3	1	2	2	9	12	7	4	8			
Bethlehem	60	1	2	2	4	4	5	5	2	9	12	7	4	8		
Bradock	21	0	2	3	2	2	4	3	5	4	3	1	2	1		
Bradford	16	0	0	0	0	1	0	0	0	0	0	0	0	0		
Bristol	13	0	0	0	0	1	0	0	2	0	0	0	1	0		
Butler	25	0	3	1	0	0	1	0	0	0	0	0	0	0		
Canonsburg	12	0	0	0	0	0	1	0	6	3	2	2	3	6		
Carbondale	19	0	0	0	0	0	0	0	0	0	1	0	0	0		
Carlisle	11	1	1	0	1	1	0	0	0	0	0	2	0	1		
Carnegie	12	1	0	0	0	1	4	0	1	0	1	0	0	0		
Carrick	12	2	0	0	0	0	0	0	0	2	0	1	0	0		
Chambersburg	14	0	0	0	0	0	0	0	0	1	0	2	2	1		
Charleroi	12	0	0	0	0	0	0	0	1	0	1	0	1	0		
Chester	65	0	1	3	5	1	7	4	2	5	1	4	5	5		
Coatesville	16	2	1	0	0	0	1	0	0	0	0	0	0	1		
Columbia	11	0	1	2	0	0	2	1	0	0	0	1	0	2		
Connellsville	14	2	0	1	0	2	0	3	0	0	0	1	0	0		
Dickson City	12	0	0	0	0	0	0	0	0	1	0	0	0	0		
Donora	16	0	0	0	0	0	1	0	0	0	0	1	0	0		
Du Bois	14	0	2	0	3	1	0	0	0	1	1	0	2	2		
Duquesne	20	0	0	0	0	0	0	1	0	0	0	0	0	0		
Erie	113	21	23	29	27	24	24	29	16	26	15	13	17	13		
Farrell	17	3	1	7	3	1	6	0	3	2	2	1	0	3		
Greensburg	16	2	1	2	3	2	3	1	0	0	1	1	1	1		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## SCARLET FEVER, CASES—Continued.

Division, State, and city.	Popu- lation.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
MIDDLE ATLANTIC—contd.																
Pennsylvania—Contd.																
Harrisburg	81	5	2	6	6	1	9	5	5	3	5	7	7	8		
Hazleton	35	0	0	1	0	0	4	0	0	0	0	0	0	0		
Homestead	21	0	0	0	0	1	1	3	0	0	0	0	0	1		
Jeannette	11	1	0	0	0	0	0	1	0	0	1	0	0	2		
Johnstown	70	5	8	3	3	1	0	1	1	4	1	3	0	4		
Lancaster	55	2	3	5	2	4	7	3	0	3	5	8	5	6		
Lebanon	25	9	5	10	19	12	17	17	22	17	15	15	14	17		
McKees Rocks	17	2	3	2	0	1	0	1	0	0	0	0	2	0		
McKeesport	48	0	1	0	0	0	1	2	0	0	0	0	3	1		
Mahanoy	10	0	0	0	0	0	0	0	0	0	0	0	0	0		
Meadville	15	0	0	0	2	1	0	0	4	0	0	0	0	1		
Monessen	20	1	0	0	1	0	0	0	0	0	1	0	0	0		
Mount Carmel	17	0	0	0	0	1	0	0	0	0	0	0	0	0		
Nanticoke	24	0	2	0	0	1	0	0	0	0	0	0	0	0		
New Castle	48	0	1	2	0	1	0	0	1	0	0	0	0	0		
New Kensington	14	1	0	2	1	0	0	0	0	0	1	0	0	0		
Norristown	34	1	0	0	0	0	0	0	2	1	0	0	1	2		
North Braddock	16	1	3	3	1	1	6	3	1	4	6	3	3	0		
Oil City	23	0	1	0	2	0	0	0	3	11	3	4	3	5		
Old Forge	13	0	0	0	0	0	0	0	0	0	0	0	0	0		
Olyphant	11	0	0	0	0	0	0	0	0	0	0	0	0	0		
Philadelphia	1,923	59	62	69	95	60	124	88	74	82	88	86	76	78		
Phoenixville	10	0	0	0	0	0	0	2	1	0	0	0	0	0		
Pittsburgh	613	34	47	42	41	55	43	44	22	27	37	34	36	46		
Pittston	19	0	0	0	0	0	1	0	0	0	0	0	0	0		
Plymouth	17	0	0	0	0	0	1	0	0	0	0	0	0	0		
Pottstown	18	0	0	0	0	0	1	0	0	0	0	0	0	0		
Pottsville	22	0	0	0	0	0	0	1	0	0	0	1	0	0		
Punxsutawney	11	0	1	1	0	0	0	0	0	0	0	0	0	0		
Reading	111	5	2	1	5	1	4	3	2	3	3	3	4	3		
Scranton	141	1	1	3	1	1	1	4	2	3	0	2	5	3		
Shamokin	22	0	0	0	0	0	0	0	6	1	0	0	0	0		
Sharon	24	0	3	1	0	0	1	0	0	0	0	0	0	0		
Shenandoah	25	0	0	0	0	0	1	0	0	0	0	0	0	0		
Steelton	13	1	0	1	0	1	0	0	0	0	0	0	0	1		
Sunbury	16	0	0	1	0	1	0	0	2	0	0	0	0	1		
Swissvale	12	2	0	0	0	0	1	0	0	0	0	0	1	0		
Tamaqua	13	0	0	0	0	0	0	0	0	0	0	0	0	0		
Uniontown	16	0	4	1	1	3	3	4	2	1	7	5	2	1		
Warren	15	1	3	2	0	1	5	4	1	4	0	1	0	5		
Washington	22	2	4	2	3	1	2	4	4	1	0	0	1	5		
West Chester	12	0	0	1	0	0	2	1	0	0	0	2	1	2		
Wilkes-Barre	76	5	0	1	0	2	3	4	0	3	0	3	2	2		
Wilkesburg	26	0	1	2	7	4	9	2	4	6	6	3	1	5		
Williamsport	38	2	0	1	1	0	1	2	1	1	0	1	0	4		
Woodlawn	17	0	1	0	0	1	0	2	0	0	0	2	1	0		
York	49	2	4	5	4	1	0	0	4	2	1	1	2	0		
EAST NORTH CENTRAL.																
Ohio:																
Akron	208	5	3	6	7	4	2	5	10	4	8	6	16	4		
Alliance	24	2	1	1	1	2	7	5	10	10	8	8	15	12		
Ashtabula	24	1	1	1	0	1	1	1	3	0	6	5	3			
Barberton	22	6	1	3	0	0	0	0	0	1	0	0	0	0		
Bellaire	16	1	3	2	1	0	0	2	1	0	0	1	0	1		
Bucyrus	11	0	0	0	0	0	1	0	0	0	0	0	0	0		
Cambridge	14	3	1	2	2	4	0	1	1	3	2	1	0	3		
Canton	99	0	2	1	4	1	4	0	6	6	1	0	2	0		
Chillicothe	16	0	1	1	2	0	1	1	1	0	0	2	0	1		
Cincinnati	406	19	8	14	6	20	15	17	14	13	8	13	11	9		
Cleveland	889	46	32	35	25	31	19	20	19	19	17	16	17	20		
Cleveland Heights	20	3	6	0	0	2	4	0	0	1	1	2	2	1		
Columbus	261	5	9	15	21	11	14	9	13	19	6	17	14	19		
Cuyahoga Falls	12	0	0	0	2	0	0	1	4	4	3	0	0	1		
Dayton	166	12	9	9	13	6	4	6	1	5	4	6	5			
East Cleveland	34	2	3	0	1	1	1	1	1	0	0	3	3			
East Liverpool	22	2	0	7	6	4	5	5	20	6	6	10	8	6		
East Youngstown	15	0	0	0	0	0	0	0	0	0	0	0	0	0		
Elyria	23	0	1	1	0	1	2	6	1	3	4	4	0	4		
Findlay	18	2	0	3	2	3	3	3	5	1	2	5	2			

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## SCARLET FEVER, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
EAST NORTH CENTRAL—continued.																
Ohio—Continued.																
Fremont.....	13	2	3	9	4	2	8	5	1	3	2	2	4	1		
Hamilton.....	41	0	0	0	0	0	0	1	0	0	0	2	1	0		
Ironton.....	14	0	1	1	1	0	0	0	3							
Kenmore.....	17	0	0	1	0	0	1	3	2	3	0	0	0	0		
Lancaster.....	15	2	1	3	2	1	2	0	3	2	1	0	2	3		
Lima.....	45	4	2	0	4	2	4	3	0	3	1	0	2	0		
Lorain.....	41	9	20	6	8	11	13	11	13	10	9	5	11	8		
Mansfield.....	30	0	0	1	2	3	2	1	1	1	0	0	0	0		
Martins Ferry.....	13	0	0	0	0	1	1	1	1	3	0	0	0	0		
Middleton.....	29	0	0	0	0	0	1	1	1	0	0	0	0	0		
New Philadelphia.....	12	2	0	0	2	3	0	0	1	5	1	2	4	5		
Newark.....	30	1	2	2	1	0	0	0	3	0	0	0	1	0		
Niles.....	16	0	1	0	0	0	1	1	0	1	0	0	2	0		
Norwood.....	28	0	1	0	0	0	0	0	2	2	1	1	0	0		
Piqua.....	16	0	0	0	0	0	0	0	0	1	0	0	0	0		
Salem.....	11	0	0	2	1	1	0	0	3	2	1	3	7	0		
Sandusky.....	24	4	3	3	5	12	4	2	4	13	0	0	1	3		
Springfield.....	66	5	20	13	8	15	13	17	16	13	27	14	11	0		
Steuensville.....	31	2	3	1	2	0	0	0	0	3	1	1	2	3		
Tiffin.....	15	0	0	0	0	0	1	0	0	1	1	0	0	0		
Toledo.....	228	25	25	28	21	24	23	37	27	29	23	33	13	22		
Youngstown.....	132	9	9	12	6	6	5	17	12	3	1	5	4	1		
Zanesville.....	30	0	0	1	2	1	1	0	0	0	1	3	3	0		
Indiana:																
Anderson.....	32	2	0	5	1	1	0	1	0	3	0	0	0	2		
Bloomington.....	12	0	1	0	2	1	0	4								
Crawfordsville.....	10	0	1	0	2	1	0	2	0	0	0	0	0	0		
East Chicago.....	42	0	0	0	0	0	0	0	1	0	0	0	0	2		
Elwood.....	11	0	0	0	0	0	0	1	0	0	1	0	0	0		
Evansville.....	91	0	2	3	0	2	1	2	1	0	1	0	3	0		
Fort Wayne.....	94	6	13	11	5	5	10	7	3	7	7	0	6	5		
Frankfort.....	13	0	0	0	0	0	0	0	0	0	0	0	1	1		
Gary.....	69	6	17	3	4	11	14	19	22	17	12	16	13	11		
Hammond.....	47	4	3	4	6	3	3	2	1	7	3	4	6	5		
Huntington.....	15	0	1	2	0	0	1	2	0	1	3	1	1	1		
Indianapolis.....	343	2	7	3	3	5	1	2	2	8	4	4	5	3		
Kokomo.....	35	0	0	0	1	0	2	0	0	0	0	0	2	0		
La Fayette.....	23	0	0	0	0	0	1	1	0	2	1	0	0	0		
La Porte.....	17	0	0	0	0	2	0				0	0	0	0		
Logansport.....	22	0	0	0	0	2	1	1	0	2	1	2	2	2		
Michigan City.....	20	0	0	0	0	1	0	3	1	0	1	0	1	0		
Mishawaka.....	16	1	1	4	0	6	1	3	0	2	0	3	1	2		
Muncie.....	40	1	5	2	0	0	0	0	0	0	0	0	1	2		
Newcastle.....	16	0	0	0	1	0	0	0	0	0	0	0	0	0		
Richmond.....	29	0	1	0	0	0	0									
South Bend.....	77	12	10	7	10	12	21	10	7	15	10	14	10	12		
Terre Haute.....	69	2	2	3	1	3	1	1	1	2	0	0	1	1		
Illinois:																
Alton.....	26	0	0	1	2	1	0	0	0	0	0	0	3	3		
Aurora.....	39	10	13	4	12	4	15	14	9	8	12	9	12	10		
Berwyn.....	17	0	0	1	0	0	1	2	2	0	3	1	0	2		
Bloomington.....	30	0	8	1	0	2	0	0	0	0	0	3	0	1		
Blue Island.....	12	0	1	1	0	0	0	0	0	0	0	2	1	0		
Centralia.....	14	0	1	0	0	0	0	0	0	0	0	2	0	1		
Champaign.....	18	0	0	0	1	1	1	0	0	1	0	1	2	2		
Chicago.....	2,886	126	145	168	151	116	144	99	91	121	116	132	139	131		
Cicero.....	56	3	1	1	1	1	0	0	1	0	2	2	0	0		
Danville.....	36	1	0	1	1	0	1	1	1	3	0	0	5	0		
Decatur.....	48	13	11	10	11	8	4	7	14	12	11	6	10	9		
East St. Louis.....	70	0	0	0	4	8	1	2	2	0	11	0	1	0		
Elgin.....	28	1	2	1	4	1	0	3	1	1	0	4	2	0		
Evanston.....	41	5	7	5	8	8	9	14	10	8	14	7	4	4		
Forest Park.....	12	0	0	0	0	0	0	0	2	0	1	0	0	1		
Freeport.....	20	0	1	0	3	4	2	2	3	7	1	0	2	2		
Galesburg.....	24	1	1	1	1	4	3	2	0	3	2	0	0	0		
Herrin.....	12	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jacksonville.....	16	2	2	2	2	1	1	2	0	3	2	0	0	1		
Kewanee.....	19	0	2	1	2	3	1	1	1	0	1	1	1	0		
La Salle.....	14	0	0	0	0	0	1	1	0	0	1	2	1	0		
Mattoon.....	14	0	0	0	0	0	0	0	0	0	1	0	0	0		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## SCARLET FEVER, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—												
		January—				February—				March—				
		5	12	19	26	2	9	16	23	1	8	15	22	29
EAST NORTH CENTRAL—continued.														
Illinois—Continued.														
Murphysboro.....	12	0	0	0	0	0	0	0	0	1	0	0	0	0
Oak Park.....	47	1	3	3	2	1	1	3	2	4	2	6	4	4
Pekin.....	13	0	0	4	2	3	0	3	0	0	1	0	0	0
Peoria.....	80	0	0	0	0	0	2	1	0	2	4	2	5	2
Quincy.....	37	2	1	1	8	0	1	2	2	1	1	0	0	0
Rock Island.....	38	0	0	2	1	0	1	1	1	0	1	0	0	0
Rockford.....	72	3	1	0	0	2	1	2	0	2	1	0	3	4
Springfield.....	62	0	6	2	1	1	1	1	2	2	1	0	0	0
Urbana.....	11	0	0	0	0	1	0	0	0	1	0	0	0	0
Michigan:														
Alpena.....	11	0	0	0	0	1	1	1	1	0	0	0	0	0
Ann Arbor.....	21	3	0	5	3	7	4	2	3	6	7	9	5	1
Battle Creek.....	40	6	19	9	14	9	16	9	7	8	10	10	9	6
Benton Harbor.....	13	4	5	7	2	4	1	2	1	3	2	1	2	2
Detroit.....	996	85	82	109	97	109	100	112	92	98	104	94	94	105
Flint.....	118	5	3	9	11	5	7	6	12	8	5	0	9	17
Grand Rapids.....	146	18	13	19	16	12	15	12	11	16	10	10	17	5
Hamtramck.....	70	0	3	2	1	1	1	3	0	0	2	1	0	0
Highland Park.....	63	0	6	10	8	7	5	4	16	4	5	13	11	8
Holland.....	13	0	1	7	5	4	2	6	0	4	8	1	2	5
Ironwood.....	17	2	9	1	5	3	6	2	7	2	3	3	5	10
Ishpeming.....	11	0	1	0	2	1	1	0	1	0	0	0	0	0
Jackson.....	54	3	4	7	5	4	2	3	3	3	5	6	9	6
Kalamazoo.....	52	0	7	6	4	4	6	9	11	2	2	8	11	7
Marquette.....	13	0	0	7	3	0	0	1	4	4	0	3	1	2
Muskegon.....	41	6	11	11	11	8	7	11	15	26	23	18	11	17
Pontiac.....	41	10	14	7	10	9	8	9	7	3	6	10	6	11
Port Huron.....	28	2	10	1	2	1	0	4	0	3	3	1	1	1
Saginaw.....	70	10	20	21	14	19	20	38	25	43	62	36	47	48
Sault Ste. Marie.....	12	0	0	0	0	1	0	0	0	1	0	0	0	0
Wisconsin:														
Appleton.....	21	0	1	0	2	0	0	1	1	2	1	2	6	1
Ashland.....	11	1	3	3	2	0	0	0	0	0	0	8	0	0
Beloit.....	24	3	7	8	2	3	2	3	4	3	7	2	3	6
Eau Claire.....	22	1	5	8	6	14	5	13	21	11	12	14	12	6
Fond du Lac.....	25	3	13	7	5	18	9	9	9	12	10	7	5	13
Green Bay.....	33	14	4	5	12	19	3	2	3	6	4	3	2	4
Janesville.....	20	7	1	2	2	8	0	0	0	0	0	0	3	0
Kenosha.....	47	1	1	4	2	5	1	1	2	5	4	5	3	4
La Crosse.....	30	4	4	1	0	0	0	6	0	4	7	3	3	3
Madison.....	43	3	7	8	2	8	13	7	1	5	4	3	7	6
Manitowoc.....	19	1	0	1	1	1	0	1	0	1	0	0	0	2
Marinette.....	14	0	0	1	0	0	0	0	0	1	0	0	0	1
Milwaukee.....	485	31	34	47	41	42	43	31	24	23	32	26	22	16
Oshkosh.....	33	2	0	1	0	1	2	0	0	2	1	1	2	1
Racine.....	64	41	32	34	27	21	22	49	24	19	21	15	18	16
Sheboygan.....	33	18	21	13	13	17	15	16	16	14	17	15	13	8
Stevens Point.....	12	4	14	12	12	17	11	6	6	4	4	3	4	1
Superior.....	40	9	0	2	1	3	0	0	0	4	2	3	4	5
Waukesha.....	14	0	3	3	0	0	3	1	2	2	2	0	0	1
Wausau.....	20	4	5	11	5	1	10	5	9	14	24	22	13	16
West Allis.....	16	3	0	2	1	0	1	2	1	0	2	2	2	3
WEST NORTH CENTRAL.														
Minnesota:														
Duluth.....	106	13	16	15	14	9	13	12	14	24	9	13	12	17
Faribault.....	12	0	4	3	3	0	3	1	1	1	1	0	1	0
Hibbing.....	17	2	3	6	4	5	2	10	3	5	1	1	4	3
Mankato.....	13	0	0	0	0	0	0	0	0	0	0	0	0	0
Minneapolis.....	409	43	92	69	73	64	67	65	76	61	66	54	70	60
Rochester.....	16	0	1	0	1	2	0	0	0	1	2	1	1	1
St. Cloud.....	18	0	2	2	3	2	0	0	0	2	0	0	0	1
St. Paul.....	242	46	47	52	57	54	64	59	70	53	67	64	67	56
Virginia.....	15	0	13	0	7	0	2	12	5	0	0	0	0	0
Winona.....	19	0	3	0	0	1	2	1	0	0	0	1	1	1
Iowa:														
Burlington.....	24	0	2	2	1	0	0	0	0	0	1	0	2	1
Cedar Rapids.....	50	5	3	1	1	3	0	0	2	4	5	4	4	5
Clinton.....	24	0	0	0	0	0	1	0	0	1	0	1	0	1

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## SCARLET FEVER, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—												
		January—				February—				March—				
		5	12	19	26	2	9	16	23	1	8	15	22	29
WEST NORTH CENTRAL—continued.														
Iowa—Continued.														
Council Bluffs.....	39	0	2	6	0	0	0	0	0	0	4	1	1	---
Davenport.....	61	---	---	0	1	3	6	6	2	2	3	1	1	1
Des Moines.....	141	3	5	7	0	7	3	9	4	1	1	2	0	10
Dubuque.....	39	0	0	1	0	1	3	0	4	---	6	0	1	0
Iowa City.....	12	0	3	3	3	3	1	3	1	3	2	1	3	2
Marshalltown.....	17	0	0	0	0	1	0	2	0	1	0	0	0	---
Muscatine.....	16	0	0	2	1	1	0	3	0	2	3	2	0	0
Ottumwa.....	23	1	0	0	0	0	0	0	0	0	0	0	0	1
Sioux City.....	80	1	5	0	1	0	0	2	2	4	0	1	2	1
Waterloo.....	40	5	0	1	4	4	5	0	4	4	5	1	3	3
Missouri:														
Cape Girardeau.....	11	---	0	0	1	0	2	0	0	0	0	0	0	0
Independence.....	12	2	0	1	0	1	0	1	1	0	0	1	0	0
Joplin.....	30	0	1	0	0	0	0	0	0	0	0	0	0	0
Kansas City.....	352	7	13	14	17	17	7	10	10	---	17	---	17	20
St. Joseph.....	78	0	3	1	3	4	2	2	2	3	0	1	1	0
St. Louis.....	804	64	70	67	63	62	70	96	82	82	84	92	90	85
North Dakota—Grand Forks														
Forks.....	15	2	2	0	6	1	1	1	0	0	0	0	0	2
South Dakota:														
Aberdeen.....	16	---	---	---	---	---	---	---	---	---	---	---	2	4
Sioux Falls.....	29	2	2	1	1	3	4	0	3	3	---	2	1	1
Nebraska:														
Lincoln.....	50	4	0	5	4	2	2	3	3	0	2	2	2	1
North Platte.....	13	0	1	---	---	---	---	---	---	---	---	---	---	---
Omaha.....	204	2	4	5	2	5	6	6	2	3	2	4	0	2
Kansas:														
Achison.....	13	0	1	0	0	0	0	0	0	0	1	0	0	0
Coffeyville.....	14	0	0	0	0	0	0	0	0	0	0	0	0	0
Fort Scott.....	11	0	0	0	0	0	0	0	1	1	0	---	0	0
Hutchinson.....	26	1	1	0	0	0	1	1	1	1	0	2	0	0
Kansas City.....	116	4	7	3	2	11	4	3	6	---	4	---	1	3
Lawrence.....	12	1	1	0	0	0	2	1	0	0	4	---	6	3
Leavenworth.....	17	0	0	1	2	4	2	1	0	5	3	5	4	2
Parsons.....	17	0	1	0	1	0	0	0	0	0	2	0	0	0
Pittsburg.....	19	0	0	0	0	0	0	0	0	0	0	0	0	1
Topeka.....	53	3	0	0	3	4	2	2	1	3	2	2	0	2
Wichita.....	79	2	5	2	1	6	7	3	6	2	1	0	7	5
SOUTH ATLANTIC.														
Delaware—Wilmington														
Wilmington.....	118	8	0	15	10	2	12	8	8	10	12	8	8	15
Maryland:														
Baltimore.....	774	53	54	47	56	57	82	68	67	96	108	90	108	91
Cumberland.....	32	1	1	0	1	1	0	0	1	2	3	2	1	1
Frederick.....	11	0	0	0	2	2	3	5	1	5	4	4	10	6
District of Columbia—Washington														
Washington.....	438	16	21	36	35	42	48	49	34	35	48	27	41	35
Virginia:														
Alexandria.....	18	0	0	1	0	0	0	0	0	2	0	1	1	0
Charlottesville.....	11	0	0	0	0	1	0	0	0	0	0	0	0	0
Danville.....	22	0	3	0	0	0	1	0	2	3	1	1	0	---
Lynchburg.....	30	4	0	1	2	0	0	0	0	0	0	1	1	2
Newport News.....	36	1	0	0	0	0	0	1	3	0	0	0	0	0
Norfolk.....	159	11	1	3	4	3	0	1	2	4	3	0	2	0
Petersburg.....	34	0	0	0	0	0	0	0	1	0	1	0	0	0
Portsmouth.....	57	0	2	0	1	1	0	0	0	0	0	1	1	1
Richmond.....	181	5	13	5	6	3	4	3	3	2	4	2	4	2
Roanoke.....	56	2	4	1	2	3	1	2	2	2	0	1	4	4
West Virginia:														
Bluefield.....	17	1	0	0	1	1	0	0	0	0	2	4	0	2
Charleston.....	46	0	1	0	0	0	2	1	0	0	2	0	0	0
Clarksburg.....	29	2	0	2	4	4	4	2	0	0	1	1	0	1
Fairmont.....	20	0	0	1	0	1	0	0	3	0	2	2	0	1
Huntington.....	58	0	1	0	1	1	2	0	0	0	0	0	0	0
Martinsburg.....	13	0	1	0	0	0	0	0	2	0	0	0	0	0
Morgantown.....	13	0	1	0	0	0	0	0	0	0	0	1	0	0
Parkersburg.....	21	0	0	0	0	0	0	1	0	0	0	0	0	0
Wheeling.....	56	8	4	4	4	7	10	5	4	4	3	3	1	2

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## SCARLET FEVER, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—												
		January—				February—				March—				
		5	12	19	26	2	9	16	23	1	8	15	22	29
SOUTH ATLANTIC—contd.														
North Carolina:														
Durham	23	0	0	0	0	0	0	0	0	0	0	0	0	0
Greensboro	44	4	1	1	2	0	0	2	1	1	0	1	1	0
Raleigh	29	2	4	1	1	4	1	0	0	1	1	0	0	2
Rocky Mount	14	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilmington	36	2	1	1	1	0	0	0	0	1	0	0	0	0
Winston-Salem	56	7	2	3	7	18	13	13	14	7	10	16	20	24
South Carolina:														
Charleston	71	0	1	3	2	0	1	0	0	0	1	1	0	0
Columbia	40	0	1	0	0	0	0	0	0	0	0	0	0	0
Greenville	26	0	1	0	1	0	0	0	0	0	0	0	3	0
Georgia:														
Albany	13	0	0	0	0	0	1	0	0	1	0	0	0	0
Atlanta	223	3	4	7	4	2	5	1	6	13	6	16	9	9
Augusta	54	0	0	0	0	0	0	2	0	0	0	0	0	0
Brunswick	16	0	0	0	0	0	0	0	0	0	0	0	0	0
Lagrange	21	0	0	0	0	0	2	0	0	0	0	0	0	0
Macon	56	0	0	0	0	1	0	0	1	0	0	0	0	0
Rome	14	0	0	0	0	0	0	2	0	0	0	0	0	0
Savannah	89	0	0	0	4	0	0	1	0	0	0	0	2	1
Florida:														
St. Petersburg	24	0	0	0	0	1	1	0	0	0	4	4	7	8
Tampa	56	0	0	1	0	0	0	0	0	0	0	0	0	0
EAST SOUTH CENTRAL.														
Kentucky:														
Covington	58	1	7	1	4	4	1	1	4	2	9	7	3	0
Henderson	12	0	0	0	0	0	0	1	0	0	0	0	0	0
Lexington	44	0	0	0	1	0	0	0	0	0	2	0	0	0
Louisville	258	1	7	6	4	3	5	1	1	1	6	3	4	3
Owensboro	22	0	0	1	0	1	0	0	0	0	0	0	1	1
Paducah	23	0	0	0	1	0	0	0	0	0	0	0	0	0
Tennessee:														
Chattanooga	60	2	0	2	2	1	0	2	6	1	1	1	0	0
Knoxville	89	6	5	4	2	0	0	2	0	1	3	1	2	4
Memphis	170	4	7	12	8	3	2	7	5	7	9	7	3	26
Nashville	121	0	1	2	1	0	2	2	0	0	1	0	1	0
Alabama:														
Anniston	20	0	0	0	0	0	0	0	0	0	0	0	0	0
Birmingham	196	3	5	4	5	2	8	2	1	2	3	5	6	0
Dothan	11	0	0	0	0	0	0	1	0	0	0	0	0	0
Mobile	64	0	0	0	0	0	0	1	1	0	0	0	0	1
Montgomery	45	1	0	1	1	0	0	0	0	0	0	0	0	0
Tuscaloosa	13	0	0	0	0	1	0	0	1	0	0	0	0	0
WEST SOUTH CENTRAL.														
Arkansas:														
Fort Smith	31	3	0	1	1	2	2	2	1	0	0	1	0	1
Little Rock	71	2	5	2	0	0	2	0	0	1	0	2	2	0
North Little Rock	15	0	0	0	0	0	0	0	1	0	0	0	0	0
Louisiana:														
New Orleans	405	7	4	1	4	4	10	4	0	4	9	5	6	10
Shreveport	55	0	1	1	0	1	0	0	2	1	0	2	0	1
Oklahoma:														
Oklahoma	101	1	0	2	1	2	2	0	0	1	0	0	0	1
Shawnee	16	1	3	0	1	2	2	0	0	1	0	0	0	1
Tulsa	102	0	2	1	2	1	2	3	2	1	1	2	3	3
Texas:														
Amarillo	17	0	0	0	0	1	1	0	0	0	0	0	0	0
Beaumont	47	2	1	4	1	0	0	0	2	0	1	1	3	0
Dallas	177	8	5	5	5	7	2	1	4	2	1	7	1	0
El Paso	90	0	2	2	2	1	3	0	3	4	1	4	3	0
Fort Worth	144	0	1	0	4	0	0	1	1	0	2	0	1	1
Galveston	47	0	1	2	0	0	0	0	0	0	0	0	1	0
Houston	155	2	3	5	4	3	3	2	0	0	0	0	3	3
San Antonio	185	0	1	4	1	2	0	3	1	1	1	2	0	2
Waco	42	1	0	1	0	0	5	1	3	4	4	1	1	0



## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## SMALLPOX, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
MIDDLE ATLANTIC.																
New York:																
Albany.....	117	1	0	0	1	2	16	0	3	0	1	0	0	0	0	0
Auburn.....	37	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Dunkirk.....	20	1	0	2	0	0	7	1	1	1	3	8	0	0	2	0
Ithaca.....	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New York.....	5,928	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Schenectady.....	94	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0
New Jersey:																
Asbury Park.....	13	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Belleville.....	18	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0
Carteret.....	13	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Elizabeth.....	104	0	0	0	0	0	1	1	0	0	1	4	0	0	0	1
Hoboken.....	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Newark.....	439	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0
Trenton.....	127	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
Pennsylvania:																
Braddock.....	21	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0
Chester.....	65	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Greensburg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Jeanette.....	11	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
New Castle.....	48	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
New Kensington.....	14	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Philadelphia.....	1,923	0	0	0	4	1	0	0	0	0	0	0	0	0	0	3
Pittsburgh.....	613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Sharon.....	24	0	0	1	0	0	0	0	1	1	0	0	1	0	0	0
Woodlawn.....	17	2	0	2	2	0	0	0	0	0	0	0	0	0	0	1
EAST NORTH CENTRAL.																
Ohio:																
Akron.....	208	0	0	0	0	2	0	2	0	0	2	4	19	2	0	0
Bellaire.....	16	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Cambridge.....	14	1	0	0	0	1	0	0	0	0	0	0	0	0	5	0
Canton.....	99	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Cincinnati.....	406	0	1	2	0	1	1	2	4	7	2	5	11	2	0	0
Cleveland.....	889	3	2	1	2	1	3	5	2	0	10	5	1	4	0	0
Cleveland Heights.....	20	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Columbus.....	261	0	1	0	0	0	0	7	1	2	0	2	2	2	2	0
Dayton.....	166	0	0	0	8	13	1	5	0	1	0	3	5	2	0	0
East Cleveland.....	34	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0
East Liverpool.....	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fremont.....	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton.....	41	0	0	1	0	4	6	1	1	1	0	8	1	2	0	0
Kenmore.....	17	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
Lima.....	45	0	0	1	0	8	6	10	7	2	3	3	0	6	0	0
Martins Ferry.....	13	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Middletown.....	29	2	2	2	2	2	2	1	0	1	0	0	0	0	0	0
New Philadelphia.....	12	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Newark.....	30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Niles.....	16	0	2	1	0	1	0	0	2	8	0	0	0	0	1	0
Steubenville.....	31	0	6	2	0	6	4	4	4	4	1	1	3	1	0	0
Toledo.....	268	2	0	8	3	19	8	0	5	17	36	17	19	25	0	0
Youngstown.....	132	8	13	11	4	11	13	9	7	12	18	3	20	11	0	0
Zanesville.....	30	4	6	5	8	8	11	7	8	13	11	8	11	1	0	0
Indiana:																
Anderson.....	32	0	1	0	0	1	1	0	2	0	0	0	0	0	9	0
East Chicago.....	42	0	0	0	6	1	4	0	1	0	1	0	1	1	0	0
Elwood.....	11	0	0	0	3	1	2	0	0	1	1	0	0	0	0	0
Fort Wayne.....	94	1	4	0	1	4	0	10	0	1	4	5	2	0	0	0
Gary.....	69	2	4	4	3	5	3	11	3	7	1	6	5	3	0	0
Hammond.....	47	1	1	1	0	1	0	1	0	1	1	1	0	1	0	0
Indianapolis.....	343	0	17	21	4	18	12	32	20	37	28	37	84	73	0	0
Kokomo.....	35	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
Laporte.....	17	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Logansport.....	22	0	1	0	1	1	0	0	0	0	2	0	3	17	0	0
Michigan City.....	20	4	0	2	2	0	0	2	0	0	0	0	0	0	0	0
Mishawaka.....	16	0	2	0	0	0	0	2	0	0	1	6	0	1	0	0
Muncie.....	40	11	40	26	24	16	24	14	13	0	26	10	5	29	0	0
Richmond.....	29	0	1	1	0	1	6	0	0	0	0	0	0	0	0	0
South Bend.....	77	0	0	1	1	2	2	0	0	0	0	0	0	0	0	0

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## SMALLPOX, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—												
		January—				February—				March—				
		5	12	19	26	2	9	16	23	1	8	15	22	29
EAST NORTH CENTRAL—continued.														
Illinois:														
Aurora.....	39	0	0	0	0	0	1	0	0	0	0	0	0	0
Centralia.....	14	0	0	0	0	0	0	0	0	0	0	0	1	0
Chicago.....	2,886	0	3	2	4	5	4	12	2	3	17	13	8	15
Danville.....	36	0	0	0	0	0	0	0	1	0	0	0	0	0
Evanston.....	41	0	0	0	0	0	0	0	1	0	0	0	0	0
Kewanee.....	19	0	0	0	0	0	0	0	0	0	0	1	0	1
Oak Park.....	47	0	0	0	1	0	0	0	0	0	0	0	0	0
Peoria.....	80	0	0	0	0	0	0	0	1	1	1	0	0	0
Quincy.....	37	0	0	0	0	0	0	0	0	0	0	0	0	1
Rock Island.....	38	0	0	0	1	0	0	0	0	2	1	0	2	0
Rockford.....	72	0	0	0	0	0	0	0	0	0	0	0	0	1
Michigan:														
Ann Arbor.....	21	0	3	2	0	0	0	3	0	2	1	3	0	0
Battle Creek.....	40	3	0	1	0	5	1	3	7	2	3	1	0	0
Benton Harbor.....	13	0	0	1	0	1	1	0	1	0	0	1	0	1
Detroit.....	996	10	25	48	39	29	52	82	51	82	81	50	60	53
Flint.....	118	2	1	0	2	2	3	0	2	0	5	4	2	4
Grand Rapids.....	146	3	3	2	6	0	1	0	2	7	3	1	0	1
Hamtramck.....	70	0	1	0	0	1	0	0	0	0	1	1	1	1
Highland Park.....	63	0	4	3	11	9	3	18	0	9	18	2	5	3
Holland.....	13	2	1	0	0	0	0	0	1	0	0	0	0	0
Jackson.....	54	2	12	8	0	9	4	2	4	4	2	9	2	4
Kalamazoo.....	52	0	1	0	0	1	0	4	2	4	1	3	4	3
Marquette.....	13	0	0	0	0	0	0	0	0	0	0	1	0	0
Pontiac.....	41	2	2	2	5	2	1	0	1	2	1	14	4	3
Port Huron.....	28	0	0	0	0	0	0	1	0	0	0	0	0	0
Saginaw.....	70	0	0	0	0	0	0	0	0	0	0	0	1	7
Wisconsin:														
Eau Claire.....	22	0	2	0	0	1	3	0	0	4	0	0	1	0
Fond du Lac.....	25	0	0	0	0	0	0	0	0	0	0	1	0	0
Janesville.....	20	0	0	0	0	0	0	0	1	0	0	0	1	0
Kenosha.....	47	0	3	0	0	0	0	0	0	0	1	2	0	2
La Crosse.....	30	0	0	0	0	0	0	0	0	0	0	1	1	3
Madison.....	43	1	0	1	0	1	0	0	0	0	0	0	0	0
Manitowoc.....	19	0	0	0	0	1	0	0	0	0	0	0	1	0
Milwaukee.....	485	1	1	1	0	0	1	1	0	1	0	0	1	0
Oshkosh.....	33	0	0	0	0	0	0	1	0	0	0	0	0	0
Racine.....	64	0	1	1	0	3	0	0	0	2	3	1	3	2
Sheboygan.....	35	0	0	0	0	0	0	0	0	0	0	0	0	0
Superior.....	40	7	2	8	6	11	4	2	7	4	10	3	9	3
Waukesha.....	14	0	2	0	0	1	0	0	0	0	0	0	0	0
WEST NORTH CENTRAL.														
Minnesota:														
Duluth.....	106	3	11	7	11	6	16	13	15	12	7	15	12	21
Mankato.....	13	0	0	0	0	0	0	0	0	0	0	8	0	0
Minneapolis.....	409	6	6	5	7	4	4	1	1	5	0	6	6	0
St. Cloud.....	18	0	4	0	0	1	0	0	0	0	0	0	0	0
St. Paul.....	242	14	25	22	16	22	20	28	34	26	32	19	36	24
Winona.....	19	0	0	0	0	0	1	0	0	0	0	0	0	0
Iowa:														
Burlington.....	24	0	0	0	0	0	0	1	0	0	0	0	0	0
Cedar Rapids.....	50	0	0	0	0	0	0	0	0	0	0	1	2	0
Clinton.....	24	0	0	0	0	0	7	0	7	5	4	2	1	1
Council Bluffs.....	39	1	0	0	0	2	0	0	0	0	0	0	0	0
Davenport.....	61	0	2	1	8	11	11	4	4	9	11	13	9	7
Des Moines.....	141	0	2	0	0	0	0	1	0	0	2	3	2	6
Marshalltown.....	17	0	0	0	1	0	0	0	0	0	0	0	0	0
Waterloo.....	40	1	0	0	0	0	0	0	0	0	0	0	0	0
Missouri:														
Cape Girardeau.....	11	0	0	0	1	0	0	0	0	0	0	0	0	0
Kansas City.....	352	0	0	0	0	0	0	0	0	0	0	0	0	2
St. Louis.....	894	0	1	1	2	0	8	1	2	2	3	11	3	2
North Dakota—Grand Forks:														
.....	15	0	0	0	2	0	0	0	1	0	0	0	0	0
Nebraska:														
Lincoln.....	59	0	0	0	1	5	0	0	0	1	0	0	0	1
North Platte.....	13	0	1	0	0	0	0	0	0	0	0	0	0	0
Omaha.....	204	1	0	0	1	0	0	0	0	0	1	1	1	5

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## SMALLPOX, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—												
		January—				February—				March—				
		5	12	19	26	2	9	16	23	1	8	15	22	29
WEST NORTH CENTRAL—continued.														
Kansas:														
Coffeyville.....	14	0	0	0	0	0	0	0	0	0	1	1	0	0
Hutchinson.....	26	2	0	1	0	1	0	1	0	0	1	0	0	0
Kansas City.....	116	2	0	1	1	0	0	0	0	0	0	0	2	0
Lawrence.....	12	0	0	0	1	0	0	0	0	0	0	0	0	0
Parsons.....	17	0	0	0	0	0	0	1	0	0	0	0	0	0
Pittsburgh.....	19	1	0	0	0	0	0	0	0	0	0	1	0	3
Topeka.....	53	0	0	0	0	0	1	1	0	0	0	0	1	1
Wichita.....	79	0	0	0	0	0	0	0	12	6	13	24	18	17
SOUTH ATLANTIC.														
Maryland:														
Baltimore.....	774	0	0	0	2	0	0	1	1	0	0	0	0	4
Hagerstown.....	30													
District of Columbia—														
Washington.....	438	2	1	4	3	12	9	4	4	4	3	8	10	3
Virginia:														
Alexandria.....	18	0	0	0	0	0	0	0	0	1	0	0	0	1
Petersburg.....	34	0	0	0	0	1	0	0	0	0	0	0	0	0
Richmond.....	181	1	0	0	0	0	0	0	0	0	0	0	0	1
Roanoke.....	56	1	0	0	0	0	0	0	0	0	0	0	0	0
West Virginia:														
Charleston.....	46	9	0	0	0	0	2	0	19	7	10	20	3	0
Huntington.....	58	0	0	0	1	1	0	0	2	3	0	2	0	1
North Carolina:														
Durham.....	23	0	3	0	0	0	3	0	0	0	2	0	0	0
Greensboro.....	44	3	8	1	7	9	7	14	11	6	4	6	6	4
Raleigh.....	29	0	0	2	1	0	5	2	2	3	8	10	12	19
Winston-Salem.....	56	0	3	4	3	0	0	1	0	4	0	5	4	8
South Carolina:														
Charleston.....	71	1	0	0	1	1	0	3	5	1	5	4	1	2
Columbia.....	40	3	0	3	4	1	0	0	2	2	0	3	3	1
Greenville.....	26	0	0	2	1	2	3	1	0	2	3	0	3	2
Georgia:														
Albany.....	13	0	0	0	0	0	0	0	0	1	0	0	0	0
Atlanta.....	223	20	48	65	40	42	99	105	85	96	85	96	85	130
Augusta.....	54	0	0	0	0	0	0	1	0	3	0	0	0	2
Lagrange.....	21	0	0	0	0	0	1	5	2	2	0	0	0	2
Macon.....	56	1	1	0	0	0	0	0	0	0	0	0	0	3
Rome.....	14	0	0	0	0	1	0	0	0	2	1	0	0	0
Savannah.....	89	0	0	1	0	0	0	0	0	1	2	1	1	0
Florida—St. Petersburg.....	24	0	0	0	0	0	0	0	0	0	0	0	0	2
EAST SOUTH CENTRAL.														
Kentucky:														
Covington.....	58	0	0	0	0	0	0	0	0	0	0	3	1	0
Owensboro.....	22	0	0	3	0	0	0	0	0	0	0	1	0	0
Tennessee:														
Chattanooga.....	60		6	2	0		8	12	6	13	22	18	13	8
Knoxville.....	89	8	20	17	24	32	29	23	23	14	7	32	21	33
Memphis.....	170	0	0	0	0	0	0	0	0	0	7	0	0	0
Nashville.....	121	0	0	2	0	1	2	0	1	2	1	2	0	3
Alabama:														
Aniston.....	20	0	0	0	0	0	0	0	0	0	4	0	1	0
Birmingham.....	196	2	7	2	3	4	6	5	8	33	27	19	35	24
Dothan.....	11	0	1	1	1	0		1	1	1	2			
Montgomery.....	45	0	0	0	0	0	0	0	0	0	0	1	0	0
Selma.....	16	1	0	1	0	0	3	0	0	1	0	0	0	0
Tuscaloosa.....	13	0	0	0	0	0	0	0	0	0	1	2	7	2
WEST SOUTH CENTRAL.														
Arkansas:														
Fort Smith.....	31	0	0	0	0	0	0	1	0	0	0	0	0	0
Little Rock.....	71	0	0	0	0	0	0	0	1	1	0	1	0	1
Louisiana:														
New Orleans.....	405	0	1	0	0	1	0	0	2	0	0	0	0	0
Shreveport.....	55	2	9	6	3	8	6	7	5	3	2	2	6	4

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## SMALLPOX, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
WEST SOUTH CENTRAL—continued.																
Oklahoma:																
Outhrie.....	12	0					1		0	0	0	0	0	0	0	0
Oklahoma.....	161	0	0	3												
Tulsa.....	102	0		0	0	2	7	0	1	8	4	5	7	0		
Texas:																
Dallas.....	177	0	0	0	0	3	0	0	1	0	0	0	0	0	0	0
El Paso.....	96	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0
Fort Worth.....	144	1	3	0	9	3	11	3	2	3	1	1	3	1	1	1
Houston.....	155	0	0	0	0	0		4	5	0	0	2	0	0	0	0
Texarkana.....	12			1							1					
Waco.....	42	0	1	1	0	0	1	0	0	0	0	1	0	1	0	1
MOUNTAIN.																
Montana:																
Anaconda.....	12	0	0	0	0	0	0	0	0	0	0	0	2	2		
Butte.....	42	4	17	33	11	27	6	0	6	12						
Great Falls.....	28	2	0	0	0	1	0	0	0	1	3	1	0	0		
Missoula.....	13	0	1	4	1	1	1	2	0	1	0	0	2	3		
Idaho—Boise.....	23	0	0	0	0	0	3	0	1	8	5	2	2	4		
Utah—Salt Lake City.....	126	0	1	0	1	0	0	1	0	0	0	0	0	0		
PACIFIC.																
Washington:																
Aberdeen.....	16	1	0	0	2	1	1		0	0	6	0	0	0	1	
Everett.....	29	0	0	3	1	2	1	3	1	3	1	2	4	2		
Hoquiam.....	11		0			3					20					
Seattle.....	316	0	3	2	4	3	0	2	3	2	1		2	0		
Spokane.....	105	7	24	33	43		23	8	25	34	20	19	31	30		
Tacoma.....	102	4	2	2	10	6	4	3	3	1	2	3	1	6		
Yakima.....	20	1	0		1	0	0		0	1	0	0	0	0		
Oregon—Portland.....	274	3	8	12		20	12	19		23			15	12		
California:																
Bakersfield.....	21	0	0	0	0	0	0	0	0	0	1	0	0	2		
Long Beach.....	69	15	3	29	30	47	50	36	45	47	28	24	20	29		
Los Angeles.....	667	70	131	180	139	136	118	105	145	115	81	116	110	102		
Oakland.....	240	0	0	0	0	0	0	0	0	0	1	1	0	1		
Pasadena.....	53	1	1	8	3	9	24	7	7	9	3	16	9	0		
Riverside.....	21	0	0	1	4	1	3	1	1	1	0	3	3	2		
Sacramento.....	70	0	0	4	1	0	0	0	0	0	1	3	0	0		
San Bernardino.....	21	0	2	5	2	2	2	15	13	12	27	13	23	43		
San Diego.....	87	0	1	0	1	1	2	1	3	2	1	0	3	2		
San Francisco.....	539	0	0	0	1	3	0	0	2	2	1	0	0	1		
Santa Ana.....	18	0	1	0	0	0	0	0	0	0	2	0	0	0		

## TYPHOID FEVER, CASES.

<b>NEW ENGLAND.</b>																
Maine:																
Auburn.....	18	0	0	0	1	1	0	0	0	0	0	0	0	0		
Bangor.....	26	0	2	0	0	0	0	0	0	0	0	0	0	1		
Bath.....	17	0	0	0	0	0	0	0	0	0	1	1	0	0		
Lewiston.....	34	0	1	0	0	1	0	0	0	0	0	0	0	0		
Portland.....	73	0	0	0	0	0	0	0	0	0	1	0	0	0		
New Hampshire:																
Berlin.....	18	0	0	1	0	0		0	0	0						
Manchester.....	81	0	0	0	0	0					0	0	0	0		
Massachusetts:																
Adams.....	13	0	0	0	1	0	0	0	0	0	0	0	0	0		
Arlington.....	21	0	0	0	0	0	0	0	1	0	0	0	0	0		
Boston.....	770	2	0	4	0	4	0	3	2	6	5	2	1	1		
Brookline.....	41	0	0	0	0	0	0	0	0	0	1	0	0	0		
Cambridge.....	111	0	0	0	2	0	0	0	0	0	0	0	0	1		
Chelsea.....	47	1	2	0	0	0	0	0	0	0	0	0	0	0		
Everett.....	43	0	0	0	0	0	0	0	0	0	0	0	0	0		
Fall River.....	121	0	0	0	1	0	0	0	0	1	1	0	0	0		
Gardner.....	18	0	0	0	0	0	0	1	0	0	0	0	0	0		





## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## TYPHOID FEVER, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—												
		January—				February—				March—				
		5	12	19	26	2	9	16	23	1	8	15	22	29
EAST NORTH CENTRAL—continued.														
Illinois—Continued.														
Freeport.....	20	0	0	0	0	0	0	0	0	0	1	0	0	0
Galesburg.....	24	0	0	0	0	0	0	0	0	2	0	0	0	0
Herrin.....	12	0	0	1	0	0	0	0	0	0	0	0	0	0
Jacksonville.....	16	0	0	0	0	0	1	0	1	0	0	0	0	0
Murphysboro.....	12	0	0	0	0	1	0	0	0	0	0	0	0	0
Oak Park.....	47	0	1	0	0	0	0	0	0	0	0	0	0	0
Peoria.....	80	0	0	0	0	0	0	0	0	0	1	0	0	0
Quincy.....	37	0	0	0	0	0	0	0	2	0	0	0	0	0
Rock Island.....	38	0	0	0	0	0	1	0	0	0	0	0	0	0
Springfield.....	62	0	1	0	0	0	0	0	0	0	0	0	0	0
Urbana.....	11	0	1	0	0	0	0	0	0	0	0	0	0	0
Michigan:														
Benton Harbor.....	13	0	0	1	0	0	0	0	0	0	0	0	0	0
Detroit.....	996	1	0	0	2	1	1	0	0	0	0	1	0	1
Flint.....	118	0	0	0	0	0	0	1	1	0	0	0	3	0
Grand Rapids.....	146	1	0	0	0	0	0	0	0	0	0	0	1	0
Hamtramck.....	70	0	0	0	0	0	1	0	0	0	0	0	0	0
Ironwood.....	17	0	0	0	0	0	0	0	0	0	0	0	4	0
Kalamazoo.....	52	0	0	0	0	0	0	0	0	1	0	0	0	0
Pontiac.....	41	0	0	0	0	0	0	0	0	0	0	1	0	0
Poft Huron.....	28	2	0	0	0	0	0	0	0	0	0	0	0	0
Saginaw.....	70	0	0	1	0	0	4	1	1	0	0	0	1	0
Wisconsin:														
Appleton.....	21	0	0	0	0	0	0	1	1	0	0	1	0	0
Eau Claire.....	22	0	1	0	0	0	0	0	0	0	0	0	1	0
Janesville.....	20	0	0	0	0	1	0	0	0	0	0	0	0	0
La Crosse.....	30	0	0	0	0	0	0	0	0	0	0	0	1	0
Madison.....	43	0	0	0	0	0	0	0	0	0	0	1	0	0
Milwaukee.....	485	1	0	0	0	0	0	0	0	0	0	0	0	0
Racine.....	64	0	0	0	0	0	0	3	0	0	0	1	0	0
Superior.....	40	0	1	0	0	0	0	0	0	0	0	0	0	0
Wausau.....	20	0	0	0	0	1	0	0	0	0	0	0	0	0
WEST NORTH CENTRAL.														
Minnesota:														
Duluth.....	106	0	0	0	0	0	0	0	0	1	0	0	1	2
Faribault.....	12	0	0	0	0	0	1	0	0	0	0	0	0	0
Minneapolis.....	409	0	1	0	2	0	3	0	0	0	0	0	2	0
Rochester.....	16	0	0	0	0	1	0	0	0	0	0	0	0	0
St. Cloud.....	18	0	0	0	1	0	0	0	0	0	0	0	0	0
St. Paul.....	242	0	0	1	0	2	1	1	0	0	1	0	0	0
Iowa:														
Burlington.....	24	0	0	0	0	0	0	0	0	1	0	0	0	0
Dubuque.....	39	0	0	0	0	0	0	0	0	1	0	0	0	0
Muscatine.....	16	0	0	1	0	0	0	0	0	0	0	0	0	0
Waterloo.....	40	1	0	0	0	0	0	0	0	0	0	0	0	0
Missouri:														
Joplin.....	30	0	0	1	0	0	0	0	0	0	0	0	0	0
Kansas City.....	352	0	0	0	0	2	0	0	0	0	0	0	0	0
St. Joseph.....	78	0	0	0	0	1	1	0	0	0	0	0	0	0
St. Louis.....	804	1	1	1	0	0	2	0	0	0	2	1	2	3
Nebraska—Omaha.....	204	0	0	0	0	0	1	0	0	0	0	0	0	0
Kansas:														
Kansas City.....	116	0	0	0	0	0	0	0	1	0	0	0	0	0
Lawrence.....	12	0	0	0	1	0	0	0	0	0	0	0	0	0
SOUTH ATLANTIC.														
Delaware—Wilmington.....	118	0	0	0	1	1	0	0	0	0	0	0	0	0
Maryland—Baltimore.....	774	1	2	4	1	1	2	1	3	0	0	1	0	2
District of Columbia—Washington.....	438	3	1	1	1	0	0	0	1	1	0	1	1	4
Virginia:														
Alexandria.....	18	0	1	0	0	0	0	0	0	0	0	0	0	0
Newport News.....	36	0	0	0	0	0	1	1	0	0	0	0	0	0
Norfolk.....	159	0	0	0	0	0	0	0	1	0	0	0	0	0
Petersburg.....	34	0	0	0	0	0	1	1	0	0	0	0	0	0
Portsmouth.....	57	0	0	0	1	0	0	1	0	0	0	0	0	0
Roanoke.....	56	2	2	0	0	0	0	1	0	0	0	0	0	0

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## TYPHOID FEVER, CASES—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
SOUTH ATLANTIC—contd.																
West Virginia:																
Charleston.....	46	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Fairmont.....	20	0	0	0	0	1	0	0	0	0	3	0	0	1	0	1
Wheeling.....	56	1	2	1	6	14	10	5	2	2	0	4	0	3	0	3
North Carolina—Greensboro.....	44	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
South Carolina—Charleston.....	71	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Georgia:																
Albany.....	13	0	0	1	1	2	0	0	0	0	0	0	1	0	0	0
Atlanta.....	223	0	0	0	0	1	0	0	3	0	0	0	0	0	0	0
Brunswick.....	16	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0
LaGrange.....	21	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Macon.....	56	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Savannah.....	89	0	2	1	0	0	1	0	0	1	0	0	0	0	0	0
Florida:																
St. Petersburg.....	24	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0
Tampa.....	56	0	0	1	1	1	1	0	1	2	2	1	0	0	0	0
EAST SOUTH CENTRAL.																
Kentucky:																
Covington.....	58	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Henderson.....	12	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Louisville.....	258	0	0	0	0	0	0	0	1	0	0	1	3	3	0	0
Owensboro.....	22	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0
Paducah.....	25	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee:																
Knoxville.....	89	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0
Memphis.....	170	1	0	1	5	0	1	1	3	2	1	0	2	1	0	0
Nashville.....	121	4	0	1	0	0	0	0	0	0	0	0	1	0	0	0
Alabama:																
Anniston.....	20	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
Birmingham.....	196	0	0	0	3	1	1	0	0	0	0	6	7	5	0	0
Dothan.....	11	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Mobile.....	64	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Montgomery.....	45	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Selma.....	16	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
WEST SOUTH CENTRAL.																
Arkansas—Little Rock.....	71	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0
Louisiana:																
New Orleans.....	405	1	6	1	2	0	3	2	5	2	1	0	0	3	0	0
Shreveport.....	55	0	0	1	0	0	0	0	0	0	1	0	1	1	0	0
Oklahoma:																
Oklahoma.....	101	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Shawnee.....	16	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
Tulsa.....	102	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Texas:																
Beaumont.....	47	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Dallas.....	177	3	1	1	0	0	3	1	0	1	0	1	0	0	0	0
El Paso.....	96	3	1	1	0	2	0	0	0	0	0	0	0	0	0	0
Fort Worth.....	144	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Galveston.....	47	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
Houston.....	155	0	0	2	0	0	3	0	0	0	0	0	0	0	0	0
San Antonio.....	185	0	0	1	2	1	1	0	0	0	0	1	1	1	0	0
MOUNTAIN.																
Montana:																
Butte.....	42	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Missoula.....	13	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Idaho—Boise.....	23	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Colorado:																
Boulder.....	12	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
Denver.....	272	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Pueblo.....	44	0	0	0	0	0	1	1	0	0	1	0	1	0	1	0
Utah—Salt Lake City.....	126	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0
Nevada—Reno.....	12	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## TYPHOID FEVER, CASES—Continued.

Division, State, and city	Popu-lation.	1924, week ended—												
		January—				February—				March—				
		5	12	19	26	2	9	16	23	1	8	15	22	29
PACIFIC.														
Washington:														
Aberdeen.....	16	0	0	0	0	0	0	0	0	3	0	0	0	0
Everett.....	29	0	1	0	0	2	1	0	0	0	1	0	0	0
Seattle.....	316	0	2	0	1	2	0	1	0	2	1	1	1	0
Tacoma.....	102	0	0	0	1	0	0	4	2	0	1	0	0	1
Yakima.....	20	0	0	0	0	1	0	0	0	0	0	0	0	0
Oregon—Portland.....	274	0	0	2	—	0	0	—	0	—	1	—	2	2
California:														
Berkeley.....	63	0	0	0	0	1	0	0	0	3	5	0	1	0
Long Beach.....	69	0	1	0	1	0	1	1	0	0	1	1	0	0
Los Angeles.....	667	2	1	1	1	4	9	4	4	3	1	0	7	1
Oakland.....	240	0	1	0	0	1	0	0	0	1	0	0	0	2
Pasadena.....	53	0	0	0	0	0	1	0	0	0	2	0	1	0
Sacramento.....	70	1	0	0	1	1	0	0	2	0	1	0	0	0
San Bernardino.....	21	0	0	0	1	0	0	0	0	1	0	0	0	0
San Francisco.....	539	0	1	0	0	0	0	1	0	0	0	2	1	2
Santa Ana.....	18	0	0	0	(1)	(1)	(1)	68	22	11	62	75	48	32
Stockton.....	45	0	1	0	0	0	0	0	0	0	0	0	1	0
Vallejo.....	25	0	1	0	0	0	0	0	0	—	—	—	—	—

## INFLUENZA, DEATHS.

NEW ENGLAND.														
Maine—Portland	73	0	0	0	0	0	0	0	0	0	0	0	0	1
New Hampshire—Manchester	81	2	0	1	0	0	—	—	—	0	0	0	0	0
Vermont—Burlington	24	0	0	0	0	1	0	0	—	0	0	0	0	0
Massachusetts:														
Boston	770	0	3	1	1	0	1	2	1	0	1	2	1	0
Everett	143	0	0	0	0	0	0	0	0	0	1	0	0	0
Fall River	121	0	0	0	2	0	0	0	0	0	2	2	1	0
Holyoke	161	0	0	0	0	1	0	0	0	0	0	0	0	1
Lowell	115	0	0	1	0	0	0	0	1	0	0	0	0	0
Lynn	103	0	0	0	0	1	0	0	0	0	2	0	0	0
Northampton	23	0	0	0	0	0	0	0	0	0	0	0	0	0
Somerville	99	0	0	0	0	0	0	1	0	0	0	0	0	0
Southbridge	15	0	0	0	0	0	0	0	0	0	1	0	0	0
Springfield	144	1	0	0	0	0	0	1	0	0	1	1	1	0
Taunton	38	0	0	0	0	0	0	0	0	1	0	0	0	2
Wakefield	14	0	0	0	0	0	0	0	1	0	0	0	0	0
Rhode Island—Providence	242	0	0	3	0	0	0	0	0	1	0	2	0	1
Connecticut:														
Bridgeport	144	2	3	1	0	0	0	0	1	0	3	0	0	0
Fairfield	13	0	0	0	0	1	0	0	0	1	0	1	0	0
Hartford	138	0	0	0	0	0	0	0	0	1	0	0	0	0
New Britain	65	0	1	0	0	0	1	—	2	0	0	0	0	0
New Haven	173	0	2	0	1	1	0	1	1	0	0	3	1	0
Norwich	23	—	0	0	0	0	0	1	—	0	0	—	—	—
Waterbury	98	0	0	0	0	0	0	1	1	0	0	1	0	2
MIDDLE ATLANTIC.														
New York:														
Auburn	37	0	0	0	1	2	0	0	0	0	0	0	0	0
Buffalo	537	1	0	1	0	0	0	0	0	1	0	1	1	1
Dunkirk	20	0	0	0	0	0	0	1	0	0	1	0	0	0
Lackawanna	19	0	0	0	0	0	0	0	0	0	1	0	0	0
New York	5,928	0	15	13	8	22	21	17	21	18	27	25	12	19
Plattsburg	11	0	0	—	—	—	—	—	—	1	0	—	—	—
Rochester	318	2	0	1	0	0	0	0	1	1	1	0	0	0
Rome	28	0	0	0	0	1	0	0	0	0	0	0	0	0
Schenectady	94	0	0	0	0	0	0	1	0	0	0	0	0	1

162 cases from Jan. 20 to Feb. 9.

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 24, 1923—Continued.

## INFLUENZA, DEATHS—Continued.

Division, State, and city.	Population.	1924, week ended—												
		January—				February—				March—				
		5	12	19	26	2	9	16	23	1	8	15	22	29
MIDDLE ATLANTIC—contd.														
New Jersey:														
Bloomfield.....	25	0	0	0	0	0	0	0	0	0	0	0	1	0
East Orange.....	57	0	0	0	0	0	0	0	0	0	0	1	0	0
Garfield.....	23	0	0	0	0	0	1	0	0	0	0	0	0	0
Long Branch.....	14	0	1	0	0	0	0	0	0	0	0	0	0	0
Newark.....	439	1	1	3	0	0	0	1	1	1	0	0	0	1
Passaic.....	67	0	0	0	1	0	0	0	0	0	0	0	0	0
Rahway.....	12	0	0	0	0	0	0	0	1	0	0	1	0	0
Trenton.....	127	0	1	0	0	0	0	0	0	0	0	2	0	0
West Hoboken.....	42	0	0	2	0	0	0	0	0	0	0	1	0	1
Pennsylvania:														
Erie.....	113	0	0	1	0	1	0	0	0	2	1	2	0	0
Philadelphia.....	1,923	1	4	8	4	2	8	8	6	8	6	5	8	9
Pittsburgh.....	613	0	3	3	2	5	4	4	8	4	10	4	7	13
Reading.....	111	0	0	1	1	0	0	0	0	0	0	0	0	1
Scranton.....	141	0	0	1	1	0	0	0	1	0	1	0	1	1
EAST NORTH CENTRAL.														
Ohio:														
Alliance.....	24	0		0	0	0	1	1	0	0		0	0	0
Cincinnati.....	406	0		2	1	4	3	5	4	3	0	2	1	4
Cleveland.....	889	2		2	4	0	2	1	1	1	3	4	2	0
Columbus.....	261	1	0	0	2	2	1	2	2	2	1	1	0	1
Findlay.....	18	0	0	0	1	0	0	0	0	0	0	0	0	0
Lima.....	45	1	0	0	0	0	1	0	0	0	0	0	0	0
Newark.....	30	0	0	0	0	0	0	0	0	0	0	1	0	0
Toledo.....	268	0	0	1	0	1	0	0	1	2	1	3	0	1
Youngstown.....	132	0	1	0	0	0	0	0	0	0	2	1	3	0
Indiana:														
Frankford.....	13	0	0	0	1	0	0	0	0	0	0	0	0	0
Hammond.....	47	0	0	0	0	0	0	0	1	0	0	0	0	1
Indianapolis.....	343	0	2	0	1	3	2	2	1	1	1	0	1	0
Kokomo.....	35	0	0	0	0	0	0	0	0	0	0	0	1	0
Mishawaka.....	16	0	0	0	0	0	1	0	1	0	0	0	1	0
Terre Haute.....	69	0	1	0	0	0	0	0	0	0	0	1	0	0
Illinois:														
Alton.....	26	0	1	0	1	0	0	0	0	0	0	0	0	0
Blue Island.....	12	0	0	0	0	0	0	1	0	0	0	0	0	
Chicago.....	2,886	2	7	7	7	3	9	2	2	8	7	7	12	5
Danville.....	36	1	1	1	0	1	0		0	0	1	0	0	0
Freeport.....	20	0	0	0	0	0	0	0	0	0	0	0	0	1
Mattoon.....	14	0	0	0	0	1	0	0	0	0	0	0	0	0
Peoria.....	80	0	1	0	0	0	1	0	0	0	0	0	0	0
Springfield.....	62	1	1	0	3	2	0	0	0	2	0	0	1	0
Michigan:														
Detroit.....	996	0	3	0	5	4	1	1	0	0	4	2	0	1
Flint.....	118	0	0	0	0	0	1	0	0	0	2	0	1	0
Grand Rapids.....	146	0	0	0	0	0	1	0	0	0	0	1	1	0
Highland Park.....	63		0	0	0	0	1	0	0	0	0	0	0	0
Kalamazoo.....	52	0	0	0	0	1	0	0	1	0	0	0	0	0
Wisconsin:														
Milwaukee.....	485	1	0	0	0	0	0	0	0	0	0	0	0	0
Marinette.....	14	0	0	0	0	0	0	0	0	1	0	0	0	0
WEST NORTH CENTRAL.														
Minnesota—Minneapolis.....														
409	0	0	2	1	2	1	0	1	0	1	1	0	0	0
Missouri:														
Kansas City.....	352	0	4	6	2	3	5	2	0	0	0	0	2	3
St. Joseph.....	78	0	0	0	0	0	0	0	0	0	0	0	1	0
St. Louis.....	804	0	0	0	1	0	0	0	0	0	0	0	0	1
Springfield.....	41	0	0	1	0	0	0	1	0	0	0	2	0	0
North Dakota—Fargo.....														
25	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Nebraska—Lincoln.....														
59	6	0	0	0	1	1	0	0	0	0	0	0	0	0
Kansas:														
Fort Scott.....	11	0	1	0	0	0	0	0	0	0	0	0	0	0
Kansas City.....	116	0	0	0	0	0	0	2	0	0	0	0	0	0
Lawrence.....	12	0	0	0	1	0	0	0	0	0	0	0	0	0
Pittsburg.....	19	0	1	0	1	0	1	0	0	0	0	0	0	1
Topeka.....	53	0	0	0	0	0	2	0	0	0	0	0	0	0

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## INFLUENZA, DEATHS—Continued.

Division, State, and city.		Population.	1924, week ended—														
			January—				February—				March—						
			5	12	19	26	2	9	16	23	1	8	15	22	29		
SOUTH ATLANTIC.																	
Delaware—Wilmington.....	118	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
Maryland—Baltimore.....	774	2	2	1	4	4	6	6	5	5	5	1	6	1	0	0	
District of Columbia—Washington.....	438	0	0	0	0	0	0	3	3	1	2	1	2	0	0	0	
Virginia:																	
Danville.....	22	0	1	0	0	0	1	1	0	1	1	0	0	0	0	0	
Petersburg.....	34	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	
Richmond.....	181	1	0	0	0	0	0	2	1	1	1	0	0	1	4	0	
Roanoke.....	56	0	1	0	1	0	1	0	0	0	1	0	2	1	1	0	
West Virginia:																	
Huntington.....	58	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	
Wheeling.....	56	1	0	0	0	0	0	0	0	1	0	0	2	0	0	0	
North Carolina:																	
Durham.....	23	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	
Greensboro.....	44	1	0	0	0	0	1	0	0	0	0	0	0	0	1	0	
Raleigh.....	29	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
Salisbury.....	16	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
Winston-Salem.....	56	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	
South Carolina—Charleston.....	71	0	0	0	1	0	1	1	0	0	0	1	1	0	0	0	
Georgia:																	
Atlanta.....	233	2	2	0	0	0	0	4	1	2	2	1	0	0	0	0	
Savannah.....	89	1	0	0	0	0	1	1	0	0	0	0	1	2	0	0	
Florida—Tampa.....	56	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
EAST SOUTH CENTRAL.																	
Kentucky:																	
Covington.....	58	0	1	0	0	0	1	0	2	0	0	0	0	0	0	0	
Louisville.....	258	1	0	0	0	0	0	0	1	0	0	1	0	1	0	1	
Tennessee:																	
Memphis.....	170	0	0	0	0	0	2	0	1	2	4	3	1	0	0	0	
Nashville.....	121	0	1	1	0	1	1	3	3	3	7	9	3	2	0	0	
Alabama:																	
Anniston.....	20	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
Birmingham.....	196	2	2	0	1	3	4	0	4	3	3	1	4	2	0	0	
Mobile.....	64	0	2	3	0	1	3	2	1	2	1	0	1	0	0	0	
Montgomery.....	45	0	0	0	0	1	3	1	0	0	0	2	0	2	0	0	
Tuscaloosa.....	13	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
WEST SOUTH CENTRAL.																	
Louisiana:																	
New Orleans.....	405	3	3	2	5	9	6	9	6	7	7	4	7	6	0	0	
Shreveport.....	55	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	
Oklahoma:																	
Oklahoma City.....	101	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Shawnee.....	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Texas:																	
Beaumont.....	47	0	0	0	0	0	0	0	1	1	0	0	1	1	0	0	
Dallas.....	177	0	1	0	0	1	0	2	2	8	2	0	1	3	0	0	
El Paso.....	96	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	
Fort Worth.....	144	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
Galveston.....	47	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
Houston.....	155	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	
San Antonio.....	185	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	
Waco.....	42	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
MOUNTAIN.																	
Colorado:																	
Denver.....	272	2	0	0	0	0	1	0	0	0	4	1	1	2	0	0	
Greeley.....	12	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	
Utah—Salt Lake City.....	126	0	0	0	1	0	1	0	1	2	0	0	1	0	0	0	
PACIFIC.																	
California:																	
Bakersfield.....	21	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
Eureka.....	13	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
Long Beach.....	69	2	0	2	0	0	0	1	0	0	0	0	0	0	0	0	
Los Angeles.....	667	6	4	6	3	4	0	2	2	3	2	1	0	2	0	0	
Oakland.....	240	0	0	1	1	2	1	1	0	0	0	1	0	3	0	0	
Pasadena.....	53	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
Sacramento.....	70	0	0	0	0	1	0	2	0	0	0	0	2	0	0	0	
San Diego.....	87	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
San Francisco.....	539	2	1	0	3	0	3	1	3	1	0	1	0	1	0	1	
Santa Ana.....	18	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	
Stockton.....	45	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## PNEUMONIA, DEATHS.

Division, State, and city	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
NEW ENGLAND.																
Maine:																
Auburn.....	18	0	0	1	0	1	1	1	0	0	1	0	1	0	0	0
Bangor.....	26	1	0	0	1	3	2	0	0	0	0	0	0	0	0	0
Bath.....	17	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0
Biddeford.....	18	2	3	0	2	3	1	0	1	1	1	0	0	0	3	1
Lewiston.....	34	1	2	0	2	0	0	1	0	0	0	0	0	0	1	2
Portland.....	73	1	4	3	5	2	3	3	4	8	1	3	5	2	0	1
Sanford.....	11	0	0	1	0	1	0	3	2	0	0	0	0	0	0	0
New Hampshire:																
Berlin.....	18	0	0	0	0	0	0	2	0	1	0					
Concord.....	22	2	0	2	0	0	0	1	2	2	0	2	1	2		
Dover.....	13	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Keene.....	12	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0
Manchester.....	81	4	4	4	0	1				7	2	3	2			
Nashua.....	29	2	0	0	0	2	1	0	2	2	1	0	1	0	2	0
Vermont:																
Barre.....	10	1	0	0	0	0	1	0	0	0	2	0	0	0	0	0
Burlington.....	24	3	1	0	1	1	2	1		0	4	2	2	1		
Massachusetts:																
Adams.....	13	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Amesbury.....	10	0	0	0	1	0	1	1	0	0	0	1	1	0	0	0
Arlington.....	21	1	0	0	1	0	0	0	1	0	0	0	1	2		
Attleboro.....	21	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0
Belmont.....	13	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0
Beverly.....	24	0	0	1	0	0	0	0	1	1	1	0	1	0	1	0
Boston.....	770	23	42	31	18	21	21	35	36	30	30	28	21	18		
Brockton.....	70	1	1	0	0	1	0	1	0	1	0	0	0	0	0	0
Brookline.....	41	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Cambridge.....	111	7	3	3	3	4	2	1	4	5	2	1	3	3		
Chelsea.....	47	1	2	3	0	1	1	0	3	2	2	3	3	4		
Chicopee.....	40	0	0	1	1	2	0	2	2	5	2	3	3	1		
Clinton.....	13	2	1	1	1	0	1	1	3	0	0	0	0	1		
Danvers.....	12	0	0	0	0	1	3	0	1	0	0	1	0	0	0	0
Dedham.....	11	1	0	0	0	0	0	0	0	0	0	1	0	1		
Easthampton.....	12	0	0	0	0	0	0	0	0	0	0	0	2	2		
Everett.....	43	0	0	0	3	1	1	1	1	1	0	1	0	0	0	0
Fall River.....	121	2	6	9	7	7	5	7	3	5	4	8	6	5		
Frammingham.....	19	0	1	0	0	0	1	1	3	1	1	3	1	1		
Gardner.....	18	1	0	0	0	0	0	2	0	1	0	2	1	0	0	0
Greenfield.....	17	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0
Haverhill.....	57	1	5	4	6	0	0	0	2	1	1	2	3	1		
Holyoke.....	61	1	2	3	3	3	5	3	2	3	2	2	1	3		
Lawrence.....	97	0	1	1	0	0	0	0	3	2	0	0	0	0	0	0
Leominster.....	21	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0
Lowell.....	115	4	0	3	3	6	6	4	6	1	2	4	3	1		
Lynn.....	103	4	1	2	1	0	4	0	1	3	1	1	0	0	1	1
Malden.....	51	0	3	1	0	2	2	1	1	2	1	2	1	1		
Medford.....	45	2	4	5	3	3	4	0	0	1	2	1	0	0	0	0
Melrose.....	19	0	1	3	1	0	0	0	1	0	0	0	0	0	0	0
Methuen.....	17	0	1	2	0	0	0	0	0	1	0	0	1	0		
Milford.....	14	0	2	2	0	0	0	0		1	1	0	0	0	0	0
New Bedford.....	130	5	7	8	3	6	8	11	4	10	8	1	7	4		
Newburyport.....	16	0	2	1	0	1	2	1	0	1	0	0	0	0	1	
Newton.....	48	0	0	0		2	2	4	2	0	0	0	2	1		
North Adams.....	22	0	1	0	0	2	0	0	1	0	0	2	0	0	0	0
Northampton.....	23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northbridge.....	11	0	0	0	1	0	0	0	0	0	2	0	2	0		
Palmer.....	10	0	0	0	0	0	1	0	2		0	0	0	0	0	0
Peabody.....	21	0	2	2	0	1	1	1	0	1	0	1	0	0	0	0
Pittsfield.....	45	1	2	0	2	0	1	2	1	5	1	2	1	1	0	0
Plymouth.....	13	0	0	0	0	1	0	0	0	3	0	0	0	0	1	1
Quincy.....	53	1	2	0	0	3	2	0	1	0	0	2	0	3		
Salem.....	43	1	1	3	0	0	1	2	3	0	0	2	1	1		
Saugus.....	12	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Somerville.....	90	1	5	4	2	4	2	1	3	3	0	3	1	3		
Southbridge.....	15	1	0	0	1	1	1	0	0	2	0	1	0	0		
Springfield.....	144	2	5	4	0	3	0	1	4	0	2	3	2	1		
Taunton.....	38	0	0	1	4	3	1	5	6	4	0	4	1	1		
Wakefield.....	14	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
Waltham.....	32	0	0	0	1	0	0	1	1	0	1	0	3	0		
Watertown.....	25	0	1	1	0	0	0	0	0	0	0	1	0	1		
West Springfield.....	15	1	2		0	0	0	0	0	0	0	0	2	0		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## PNEUMONIA, DEATHS—Continued.

Division, State, and city	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
NEW ENGLAND—contd.																
Massachusetts—Contd.																
Westfield	20	1	1	0	0	0	0	1	0	1	0	0	0	0	0	0
Winchester	11	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Winthrop	17	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Woburn	17	0	0	0	0	1	3	1	0	0	0	0	2	0	0	0
Worcester	192	8	7	14	7	8	4	5	9	8	9	9	5	5		
Rhode Island:																
Cranston	32	1	0	0	1	4	0	2	2	0	2	3	3	2		
Cumberland	10	2	1	1	0	1	0	0	0	0	2	2	0	1		
Newport	31	0	1	0	1	0	0	0	1	1	0	2	3	0		
Pawtucket	69	1	0	1	4	3	2	4	2	1	4	2	0	0		
Providence	242	4	6	7	5	17	16	12	14	14	7	12	10	6		
Woonsocket	45	1	1	0	1	0	3	3	5	2	4	3	0	2		
Connecticut:																
Bridgeport	144	3	0	1	1	3	2	1	1	2	2	4	0	3		
Bristol	23	0	0	1	0	0	0	2	0	0	0	1	1			
Derby	12	0	0	1	0	1	0	1	1	3	2	1	1	2		
Fairfield	13	1	0	0	0	0	0	1	0	1	0	0	0	0		
Hartford	138	2	3	3	0	2	0	3	1	4	1	3	7	4		
Milford	12	0	0	0	0	0	0	0	0	0	0	0	0	2		
New Britain	65	1	2	1	2	1	1	4	2	1	3	3	3	3		
New Haven	173	3	7	3	1	7	19	7	11	10	9	11	10	12		
New London	28	1	0	0	0	1	0	1	1	1	2	6	0	1		
Norwalk	29	1	1	1	0	0	4	2	1	0	3	1	1	2		
Stonington	11	0	0	0	0	0	1	0	1	0	0	0	0	0		
Waterbury	98	9	8	6	2	3	3	1	0	3	7	1	3	4		
MIDDLE ATLANTIC.																
New York:																
Amsterdam	34	0	3	0	1	2	2	1	2	2	0	2	1	0		
Auburn	37	2	4	4	1	1	1	2	1	1	2	1	0	1		
Buffalo	537	5	20	14	7	20	12	15	13	9	19	13	16	15		
Cohoes	23	0	1	1	1	0	0	5	2	3	0	1	1	2		
Cortland	14	0	3	1	0	0	3	1	1	0	0	0	2	0		
Dunkirk	20	0	1	0	0	0	0	0	1	0	1	3	0	0		
Elmira	48	4	3	1	0	0	0	2	1	2	0	0	0	0		
Geneva	15	0	0	2	1	1	1	0	0	4	0	1	0	0		
Glens Falls	17	1	0	1	0	1	0	0	0	1	2	0	0	0		
Hornell	16	0	0	0	0	0	2	5	1	0	0	0	0	0		
Hudson	12	0	0	0	0	0	0	1	0	1	0	1	0	0		
Ithaca	18	0	0	0	0	0	0	0	1	0	0	1	0	1		
Jamestown	42	2	0	1	2	1	1	0	0	1	0	1	0	0		
Lackawanna	19	1	0	1	1	0	0	1	0	0	0	1	1	3		
Little Falls	13	0	1	2	1	0	0	0	2	0	0	1	0	1		
Lockport	22	1	0	0	1	2	0	1	1	2	0	0	0	1		
Mount Vernon	47	3	0	7	2	1	1	0	2	1	1	1	0	1		
New York	5,928	194	230	224	225	266	233	226	255	266	281	248	242	282		
Newburgh	31	0	3	1	1	1	1	0	2	2	2	1	0	0		
Niagara Falls	58	0	2	2	0	0	1	5	1	0	1	1	1	1		
North Tonawanda	17	0	2	0	0	0	0	1	0	2	0	0	0	0		
Ogdensburg	15	0	1	1	1	0	0	0	0	1	0	1	0	0		
Olean	23	1	2	2	2	0	0	0	0	1	0	2	0	0		
Ossining	11	0	0	1	1	3	1	2	0	0	0	0	1	0		
Peekskill	16	1	0	1	0	0	0	1	0	2	0	0	1	0		
Plattsburg	11	0	1	1	0	0	1	0	1	0	0	0	0	0		
Poughkeepsie	38	0	1	3	0	2	2	3	0	0	0	0	1	1		
Rochester	318	4	6	13	5	7	6	6	11	7	6	6	12	9		
Rome	28	0	0	2	1	1	1	2	1	1	3	0	0	0		
Saratoga Springs	13	0	0	0	0	1	0	2	0	1	0	0	0	0		
Schenectady	94	3	3	3	2	4	4	2	0	3	2	1	2	1		
Syracuse	185	3	5	5	4	7	8	8	5	7	6	4	1	6		
Troy	72	3	2	1												
Watertown	33	1	0		1	1	0	0	0	0	1	2	1	1		
Watervliet	16	0	2	0	2	1										
White Plains	22	0	3	0	0	1	1	2	0	1	1	3	2	2		
Yonkers	108	6	3	4	1	3	3	5	2	0	5	1	3	2		
New Jersey:																
Atlantic City	52	2	0	0	1	3	0	0	0	2	2	2	1	0		
Bloomfield	25	0	0	0	0	0	1	0	0	0	1	2	0	0		
Camden	124	2	3	6	9	8	6	4	13	9	10	4	7	10		
Carteret	13	0		1	1	1	1	1	1	0	2	0	0	0		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## PNEUMONIA, DEATHS—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
MIDDLE ATLANTIC—contd.																
New Jersey—Continued.																
Clifton.....	32	2	0	0	0	0	0	0	0	0	0	2	0	0		
East Orange.....	57	0	3	0	2	2	1	0	1	0	0	0	2	1		
Elizabeth.....	104	2	2	5	9	5	0	1	2	4	6	0	0	1		
Englewood.....	12	1	0	2	1	0	0	2	0	0	0	0	1	1		
Garfield.....	23	0	0	0	2	0	0	3	0	0	3	0	0	1		
Hackensack.....	19	1	2	0	0	3	3	0	3	1	0	0	0	2		
Hoboken.....	68	4	3	6	5	3	3	4	6	7	5	6	5	4		
Kearny.....	30	0	1	2	2	1	0	1	0	2	1	0	0	0		
Long Branch.....	14	0	0	0	0	0	1	0	3	0	0	0	1	0		
Montclair.....	31	1	2	1	1	2	1	2	1	0	0	2	0	0		
Morristown.....	13	0	0	1	0	3	0	2	2	5	3	4	1	1		
Newark.....	439	16	14	16	19	15	12	9	16	13	13	12	8	13		
Orange.....	35	0	1	2	2	0	1	4	0	3	0	1	0	0		
Passaic.....	67	2	1	2	3	2	0	1	2	3	2	1	2	3		
Perth Amboy.....	45	1	2	3	0	2	0	0	0	3	3	3	2	3		
Phillipsburg.....	18	0	1	2	0	2	0	0	1	2	2	1	0	1		
Plainfield.....	30	0	2	0	0	3	0	2	0	2	2	0	0	0		
Rahway.....	12	0	0	1	0	2	0	0	0	0	0	0	0	0		
Summit.....	11	1	0	0	0	0	2	1	2	0	0	0	0	1		
Trenton.....	127	1	8	5	3	2	4	8	1	5	3	9	3	3		
West Hoboken.....	42	0	1	2	1	0	0	0	1	0	0	1	0	1		
West New York.....	36	0	0	0	2	0	1	2	1	0	2	0	0	0		
West Orange.....	17	0	2	0	0	0	0	0	0	0	0	0	0	0		
Pennsylvania:																
Braddock.....	21	0	0	0	2	1	0	2	2	0	2	5	6	0		
Butler.....	25	0	2	1	1	1	2	1	0	0	2	1	1	0		
Easton.....	36	1	1	0	1	2	2	3	0	5	2	1	3	1		
Erie.....	113	3	1	1	4	3	2	3	3	8	4	5	2	8		
Homestead.....	21	0	0	0	0	0	0	0	8	4	2	3	4	7		
McKeesport.....	48	3	5	1	0	0	0	0	0	0	0	0	10	0		
Philadelphia.....	1,923	77	108	86	81	81	71	74	79	78	84	85	89	86		
Phoenixville.....	10	1	0	0	0	1	0	1	1	2	4	0	0	5		
Pittsburgh.....	613	26	53	53	55	56	66	55	61	65	99	78	117	94		
Reading.....	111	0	1	0	1	1	3	2	8	5	8	4	0	2		
Scranton.....	141	3	4	2	10	4	6	6	8	5	8	4	3	6		
Wilkes-Barre.....	76	6	5	6	6	3	4	10	2	9	11	0	9	9		
Wilkesburg.....	26	4	5	1	3	0	1	2	2	0	3	3	3	6		
EAST NORTH CENTRAL.																
Ohio:																
Alliance.....	24	0	1	0	1	0	1	0	0	1	0	0	0	0		
Ashtabula.....	24	0	2	1	0	1	0	1	2	3	1	0	0	0		
Barberton.....	22	0	0	1	0	2	2	0	1	2	0	3	0	2		
Bellaire.....	16	0	0	0	1	0	1	1	2	0	2	1	3	0		
Bucyrus.....	11	0	1	1	0	0	1	0	0	0	0	0	1	0		
Cambridge.....	14	0	0	1	0	2	1	0	0	1	0	0	0	1		
Canton.....	99	3	4	2	4	6	7	7	4	4	3	6	4	4		
Chillicothe.....	16	0	0	1	1	1	3	1	1	0	0	0	0	1		
Cincinnati.....	406	8	12	14	14	12	21	16	13	20	11	13	9	11		
Cleveland.....	889	30	25	33	28	30	27	29	38	40	25	38	35	36		
Columbus.....	261	5	6	8	2	7	3	7	4	3	7	6	7	6		
East Cleveland.....	34	1	0	0	1	1	0	0	1	0	0	1	1	1		
East Liverpool.....	22	0	0	0	0	0	0	0	0	0	0	0	0	0		
East Youngstown.....	15	1	1	0	2	1	0	0	1	0	4	3	0	2		
Elyria.....	23	0	2	0	1	1	1	0	1	0	0	0	0	1		
Findlay.....	18	2	1	0	0	0	0	0	0	0	0	0	2	0		
Hamilton.....	41	0	0	2	1	2	3	2	2	1	1	5	2	0		
Ironton.....	14	0	1	0	0	0	3	1	0	0	0	0	0	0		
Lancaster.....	15	1	2	1	1	1	0	0	0	2	3	1	1	2		
Lima.....	45	1	2	0	0	4	2	1	0	1	2	1	2	2		
Lorain.....	41	0	0	1	0	0	0	0	0	0	0	0	0	0		
Mansfield.....	30	1	0	0	1	0	0	1	0	1	0	1	0	1		
Middletown.....	29	0	1	1	1	0	0	1	1	0	2	0	1	3		
Newark.....	30	0	1	0	0	0	0	0	0	0	0	1	0	0		
Niles.....	16	0	1	1	1	0	1	0	0	0	0	0	0	0		
Piqua.....	16	0	1	0	0	0	0	1	0	1	0	1	0	0		
Salem.....	11	1	1	0	1	0	1	1	2	0	0	0	0	0		
Sandusky.....	24	0	1	0	0	0	0	0	1	0	0	2	1	0		
Springfield.....	66	1	4	3	1	2	2	0	3	1	1	3	1	1		
Tiffin.....	13	0	0	1	0	0	0	0	0	1	0	0	0	0		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## PNEUMONIA, DEATHS—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
EAST NORTH CENTRAL—continued.																
Ohio—Continued.																
Toledo.....	268	8	8	7	4	7	8	10	5	2	9	2	5	13		
Youngstown.....	132	11	5	0	5	4	6	12	7	14	2	5	6	4		
Zanesville.....	36	1	0	2	4	0	1	2	1	1	4	0	1	1		
Indiana:																
Anderson.....	32	4	6	0	0	0	0	0	0	0	0	0	0	1		
Crawfordsville.....	10	0	1	0	0	0	0	2	1	0	0	1	0	0		
East Chicago.....	42	1	6	6	6	2	1	5	2	5	4	10	8	7		
Elwood.....	11	0	1	0	1	0	0	0	0	0	0	0	1	0		
Fort Wayne.....	94	3	4	3	2	5	0	4	1	2	1	2	1	2		
Frankfort.....	13	0	2	1	2	0	0	0	0	1	0	1	2	0		
Gary.....	69	2	2	2	2	6	6	10	5	6	9	4	5	8		
Hammond.....	47	2	2	3	0	1	2	0	0	5	3	1	4	3		
Huntington.....	15	0	0	0	0	0	1	2	0	0	0	0	1	0		
Indianapolis.....	343	10	16	11	8	17	18	17	10	13	13	15	14	25		
Kokomo.....	35	0	1	2	0	2	0	1	1	1	2	0	1	1		
La Fayette.....	23	0	0	1	1	0	1	1	1	1	1	1	2	0		
La Porte.....	17	0	0	0	1	0	0	0				0	0	0		
Logansport.....	22	2	1	2	1	3	0	1	1	1	0	1	0	0		
Michigan City.....	20	0	0	0	0	0	2	3	1	1	0	0	0	1		
Mishawaka.....	16	0	0	1	3	1	0	0	0	1	1	2	1	3		
Muncie.....	40	0	0	0	5	2	0	2	0		3	1	2	3		
Newcastle.....	16	0	0	1	0	0	1	0	3	1	0	2	1	2		
South Bend.....	77	2	1	4	3	2	0	1	1	4	2	3	1	3		
Terre Haute.....	69	1	4	2	6	0	4	0	4	4	1	6	2	4		
Whiting.....	11								0	0			2	2		
Illinois:																
Alton.....	26	0	0	0	0	2	2	3	0	0	4	2	1	0		
Aurora.....	39	1	0	0	3	4	4	1	2	1	1	1	2	3		
Berwyn.....	17	0	0	0	0	0	0	0	0	0	0	2	0	1		
Bloomington.....	30	1	3	1	0	0	0	1	0	0	1	0	0	0		
Blue Island.....	12	0	1	0	0	0	1	0	0	2	0	0	1	0		
Chicago.....	2,886	59	78	67	61	78	71	101	102	91	102	99	89	95		
Cicero.....	56	0	1	1	1	0	3	0	1	0	0	0	0	1		
Danville.....	36	3	2	3	2	1	1	0	2	0	1	2	0	1		
Decatur.....	48	4	2	0	0	1	1	0	1	0	0	0	2	0		
East St. Louis.....	70	3	4	4	4	4	4	2	4	5	0	1	1	2		
Elgin.....	28	1	2	1	0	3	1	1	3	0	0	0	0	1		
Freeport.....	20	0	0	0	4	0	1	0	0	0	0	2	0	0		
Galesburg.....	24	2	0	1	0	1	1	0	1	0	0	0	0	0		
Herrin.....	12	0	1	0	0	0	0	0	0	0	0	0	0	0		
Jacksonville.....	16	1	1	1	1	3	2	0	3	2	0	1	0	1		
Kewanee.....	19	1	0	0	0	0	2	1	2	1	1	0	1	0		
La Salle.....	14	0	2	3	1	0	0	0	0	0	0	0	0	0		
Murphysboro.....	12	3	0	2	1	0	1	3				2	1	1		
Oak Park.....	47	2	2	3	2	1	5	1	1	1	3	2	1	1		
Peoria.....	60	5	5	3	4	3	6	5	2	3	3	2	1	1		
Quincy.....	37	3	1	0	0	2	0	1	0	3	1	0	0	0		
Rock Island.....	38	1	0	0	0	0	0	0	0	0	0	0	0	0		
Rockford.....	72	2	2	1	3	3	2	0	3	1	1	7	1	2		
Springfield.....	62	4	4	4	5	5	5	6	3	3	4	2	1	5		
Urbana.....	11	0	0	0	0	0	0	0	0	0	0	0	1	0		
Michigan:																
Alpena.....	11	0	0	1	0	0	2	2	1	0	0	0	1	0		
Ann Arbor.....	21	1	1	1	1	1	2	0	0	0	0	0	0	0		
Battle Creek.....	40	0	1	0	0	2	1	1	0	0	0	0	0	0		
Benton Harbor.....	13	0	0	1	1	1	0	1	1	0			1	1		
Detroit.....	996	42	36	45	36	46	35	53	47	39	41	40	44	53		
Flint.....	118	1	4	7	5	8	3	4	1	8	9	9	3	3		
Grand Rapids.....	146	1	2	0	3	6	5	4	0	3	5	4	2	7		
Hamtramck.....	70	1	1	4	1	2	0	2	0	4	2	4		0		
Highland Park.....	63		3	0	1	1	3	6	1	2	2	1	2	4		
Ironwood.....	17	0	0	0	1	0	0	1	0	0	0	0	0	1		
Ishpeming.....	11	0	0	0	0	0	2	0	1	0	0	0	0	0		
Jackson.....	54	1	2	0	3	1	1	4	1	2	1	0	1	3		
Kalamazoo.....	82	1	2	1	1	3	2	1	3	2	0	2	1	0		
Muskegon.....	41	2	2	5	4	1	2	1	1	2	0	3	2	1		
Pontiac.....	41	1	1	2	0	3	1	1	3	5	0	1	3	5		
Port Huron.....	28	1	1	1	0	0	1	0	1	2	2	1	0	2		
Saginaw.....	70	1	1	2	3	1	3	1	2	7	0	2	4	2		
Sault Ste. Marie.....	12	0	1	2	0	0	1	0	1	1	1	0	0	0		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## PNEUMONIA, DEATHS—Continued.

Division, State, and city.	Popu- lation.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
EAST NORTH CENTRAL—CON.																
Wisconsin:																
Ashtland.....	11	0	3	1	0							0				
Beloit.....	24	0	1	2	0	1	2	0	1	1	0	0	0	0	0	0
Fond du Lac.....	25	0	2	0	0	0	1	0	0	1	1	0	0	0	0	0
Janesville.....	20	1	1	1	0	1	0	0	1	2	0	0	0	0	0	0
Kenosha.....	47	2	1	1	0	3	1	1	1	1	1	1	0	3	0	3
Madison.....	43	1	0	1	0	0	0	1	0	1	0	0	0	0	1	0
Marinette.....	14	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
Milwaukee.....	485	12	8	0	0	0	16	10	0	0	0	0	14	0	0	0
Oshkosh.....	33	0	1	2	1	0	0	0	1	0	0	3	1	2	2	2
Racine.....	64	1	1	1	1	2	5	2	0	1	0	2	2	4	0	0
Sheboygan.....	33	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Superior.....	40	2	1	2	1	4	0	0	1	2	0	2	2	0	0	0
Wausau.....	20	1	0	1	3	1	0	0	0	0	0	0	1	0		
WEST NORTH CENTRAL																
Minnesota:																
Duluth.....	106	3	5	5	3	2	2	0	3	3	0	1	1	6		
Fairbault.....	12	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0
Minneapolis.....	409	8	15	14	8	10	7	3	10	6	11	8	5	10		
Rochester.....	16	0	3	0	3	0	2	1	1	0	0	0	0	0	0	0
St. Paul.....	242	10	10	9	9	16	7	8	10	6	10	13	7	6		
Iowa:																
Burlington.....	24	0	0	1	0	1	0	5	2	2	0	1	1	1		
Clinton.....	24	12	5	9	14	0	0	7	5	7	5	4	2	2		
Council Bluffs.....	39	2	4	2	6	3	1	1	1	2	0	2	2	0		
Missouri:																
Cape Girardeau.....	11	0	1	2	0	0	0	0	1	0	0	1	2	0		
Kansas City.....	352	22	11	11	21	13	14	17	14	17	10	5	24	19		
St. Joseph.....	78	2	10	8	10	8	3	6	6	7	10	5	2	11		
Springfield.....	41	1	3	2	1	2	3	3	11	4	5	6	9			
North Dakota—Fargo.....	25	0	0	3	1	0	0	0	0	0	0	0	2	1		
South Dakota—Sioux Falls.....	29	0	0	4	2	0	2	2	1	0	0	2	0	2		
Nebraska:																
Lincoln.....	59	9	2	3	1	3	2	0	3	1	2	1	1	1		
Omaha.....	204	11	12	10	10	6	8	2	10	7	10	5	13			
Kansas:																
Fort Scott.....	11	1	1	2	2	0	0	0	0	0	0	0	2	1		
Kansas City.....	116	0	0	0	0	0	0	8	0	0	0	0	0	0		
Lawrence.....	12	0	0	0	0	0	1	1	1	1	0	1	1	0		
Pittsburg.....	19	0	1	0	1	0	3	2	5	0	1	2	1	1		
Topeka.....	53	2	1	3	3	2	1	2	2	2	1	3	3	1		
Wichita.....	79	3	4	4	3	3	4	6	2	1	6	3	5	3		
SOUTH ATLANTIC.																
Delaware—Wilmington.....	118	2	11	3	0	0	3	8	3	4	4	8	4	2		
Maryland:																
Baltimore.....	774	23	39	49	32	45	45	37	50	49	45	45	30	31		
Cumberland.....	32	2	0	1	2	1	2	0	2	5	1	2	1	1		
District of Columbia—Washington.....	438	15	16	25	26	21	24	27	23	26	35	23	28	13		
Virginia:																
Alexandria.....	18	2	0	0	0	0	0	0	1	3	2	1	1	1		
Charlottesville.....	11	1	1	0	0	1	0	1	0	0	0	0	0	0		
Danville.....	22	1	1	1	0	0	1	1	1	0	0	0	2	0		
Lynchburg.....	30	1	3	2	1	0	0	0	2	0	0	0	2	0		
Newport News.....	36	0	3	0	0	1	1	3	0	1	1	2	0	1		
Norfolk.....	159	6	8	5	5	4	8	7	11	13	5	7	7	6		
Petersburg.....	34	4	2	2	2	3	1	3	1	3	3	2	3	3		
Portsmouth.....	57	0	1	4	5	2	3	4	4	7	4	4	3	1		
Richmond.....	181	10	7	6	8	5	5	10	10	6	9	6	6	9		
Roanoke.....	56	2	1	1	4	1	1	0	1	0	1	4	2	2		
West Virginia:																
Bluefield.....	17	1	1	1	1	0	0	1	0	1	2	1	2	0		
Charleston.....	46	3	3	1	1	2	0	1	3	1	1	2	4	3		
Clarksburg.....	29	0	1	2	2	3	1	3	0	2	0	2	0	0		
Huntington.....	58	3	4	2	0	2	0	3	0	2	4	3	4	2		
Parkersburg.....	21	0	1	0	0	0	0	3	1	0	1	1	2	1		
Wheeling.....	56	1	5	3	4	2	4	6	0	2	7	4	4	4		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## PNEUMONIA, DEATHS—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
SOUTH ATLANTIC—contd.																
North Carolina:																
Durham	23	1	3	1	1	0	1	1	0	0	0	3	1	1		
Greensboro	44	1	3	1	1	1	1	2	8	3	7	2	1	1		
Raleigh	29	0	0	2	1	1	0	1	5	1	4	3	2	3		
Rocky Mount	14	1	3	0	2	0	0	3	2	0	0	0	1	1		
Salisbury	16	2	0	0	0	0	0	3	0	0	0	0	0	0		
Wilmington	36	1	5	1	1	0	1	3	0	4	5	2	1	0		
Winston-Salem	56	2	5	4	2	3	2	8	15	10	5	14	7	5		
South Carolina:																
Charleston	71	3	5	3	6	3	6	3	4	6	8	3	7	3		
Columbia	40	2	5	4	7	5	3	3	6	7	5	7	4	1		
Greenville	26	5	2	1	1	2	6	1	3	4	4	2	2	2		
Georgia:																
Atlanta	223	12	20	15	17	25	18	18	21	21	26	21	24	20		
Augusta	54	5	3	3	2	4	1	5	3	0	2	3		3		
Brunswick	16	1	0	0	0	1	0	2	0	0	0	1	2	1		
Savannah	89	4	5	2	11	3	2	7	7	4	6	2	7	2		
Florida:																
St. Petersburg	24	2	1	0	0	0	1	1	3	1	1	3	1	0		
Tampa	56	0	2	4	0	0	3	3	2	2	5	2	0	2		
EAST SOUTH CENTRAL.																
Kentucky:																
Covington	58	1	2	3	1	2	4	4	4	2	4	5	2	1		
Henderson	12	0	0	0	0	1	0	1	1	1	1		0	0		
Lexington	44	2		3	3	5	2	4	3	4	1	2	2			
Louisville	258	13	15	7	11	12	22	10	16	13	16	5	17	16		
Tennessee:																
Memphis	170	11	7	2	11	24	10	20	23	13	18	17	13	10		
Nashville	121	3	8	3	7	9	9	10	5	7	10	9	9	8		
Alabama:																
Anniston	20	1	0	0	0	6	3	2	2	1	6	2	3	5		
Birmingham	196	3	8	9	15	8	15	16	15	16	12	14	21	9		
Dothan	11	0	1	1	1	0		0	0	0						
Mobile	64	2	0	1	2	3	1	1	2	4	0	2	2	2		
Montgomery	45	2	3	6	3	4	2	3	0	0	1	3	5	1		
Tuscaloosa	13	0	0	0	0	0	0	0	1	0	0	0	0	0		
WEST SOUTH CENTRAL.																
Louisiana:																
New Orleans	405	5	17	19	28	21	19	19	21	13	22	21	15	25		
Shreveport	55	3	3	5	5	4	3	4	5	1	3	1	5	2		
Oklahoma:																
Oklahoma	101	1	3	2												
Shawnee	16	1	0	0	0	0	0	0	0	0	1	0	0	0		
Texas:																
Beaumont	47	0	2	1	4	6	2	1	0	2	3	4	2	4		
Corpus Christi	11	1	1	0	0	0	0		0	0	0	1	0	0		
Dallas	177	6	4	8	1	5	9	11	7	10	6	6	8	8		
El Paso	96	10	5	7	2	8	6	5	4	7	13	12	6			
Fort Worth	144	3	7	2	3	1	9	8	5	11	8	5	4	7		
Galveston	47	3	4	5	2	3	1	1	1	3	1	2	2	2		
Houston	155	6	3	6	6	12	8	8	9	1	10	9	12	8		
San Antonio	185	5	13	4	18	19	13	16	28	27	26	22	17	13		
Waco	42	1	1	1	0	8	0	3	3	3	1	1	1	4		
MOUNTAIN.																
Montana:																
Anaconda	12	0	0	0	0	0	0	0	2	0	0	0	0	0		
Billings	17	0	0	2	1	0	0	0	1	2	1	0	0	1		
Butte	42	0	1	0	0	1	0	1	4	1						
Great Falls	28	0	1	0	0	0	0	1	0	0	1	0	0	4		
Helena	12	0	1	0	1	0	0	0	3	0	0	0	0	2		
Missoula	13	0	1	1	1	1	1	2	0	2	0	0	0	0		

## CITY REPORTS FOR 13 WEEKS ENDED MARCH 29, 1924—Continued.

## PNEUMONIA, DEATHS—Continued.

Division, State, and city.	Population.	1924, week ended—														
		January—				February—				March—						
		5	12	19	26	2	9	16	23	1	8	15	22	29		
MOUNTAIN—continued																
Colorado:																
Boulder.....	12		0				0	0	2	0				0	1	
Denver.....	272	18	21	19	10	11	11	15	10	7	10	27	13	17	1	
Greeley.....	12	1	1	0	2	1	0	0	0	0	0	1	0	1		
Pueblo.....	44	2	3	2	3	2	2	3	4	1	0	2	3	8		
New Mexico—Albuquerque.....	17	1	1	0	2	2	1	3	0	0	1	1	3	9		
Utah:																
Provo.....	11	0										0	1	1		
Salt Lake City.....	126	7	5	6	4	4	9	8	8	5	2	2	4	4		
Nevada—Reno.....	12	0	1	0	0	0	1	1	1	2	0	0	0	1		
PACIFIC.																
Oregon—Portland.....	274	8	10	6		0	9		6		17		5	0		
California:																
Alameda.....	31	1	0	1	0	0	1	2	0	0	1	0	2	0		
Bakersfield.....	21	1	2	0	0	0	3	1	0	0	1	2	0	3		
Berkeley.....	63	1	1	0	0	0	0	0	0	0	0	0	0	0		
Eureka.....	13	0	0	0	1	1	0	3	0	0	0	0	0	0		
Glendale.....	18	0	0	0	2	1	2	0	1	0	0	0	0	2		
Long Beach.....	69	0	0	4	3	1	3	2	1	2	1	2	1	0		
Los Angeles.....	667	27	25	26	21	16	21	19	24	16	22	19	18	32		
Oakland.....	240	5	13	8	8	10	4	5	7	5	12	11	7	6		
Pasadena.....	53	2	2	3	1	1	1	1	2	2	2	1	3	2		
Richmond.....	20	2	0	1	2	0	0	0	0	1	0	1	2	0		
Riverside.....	21	0	0	0	0	3	1	2	0	0	1	0	1	1		
Sacramento.....	70	2	3	4	2	2	4	3	0	5	4	2	3	4		
San Bernardino.....	21	0	0	0	4	0	4	0	1	6	0	1	3	0		
San Diego.....	87	1	1	2	5	2	2	4	2	3	4	4	2	3		
San Francisco.....	539	14	17	16	15	16	9	6	9	12	8	8	13	2		
Santa Ana.....	18	0	2	0	1	0	0	1	1	1	2	2	0	0		
Santa Cruz.....	11	0	1		0	0	0	0	1	0	0	0	0	0		
Stockton.....	45	0	4	0	0	1	1	3	5	1	1	1	3	1		
Vallejo.....	25	0	0	1	1	0	0	0	0					0		

## FOREIGN AND INSULAR.

### SMALLPOX ON VESSEL.

#### Steamship "Nitokris"—At Guayaquil from Valparaiso.

A case of smallpox arriving on the steamship *Nitokris* from Valparaiso, Chile, was reported April 30, 1924, under treatment at the lazaretto at Guayaquil, Ecuador.

### CANADA.

#### Epidemic Measles—Chatham.

Information dated May 13, 1924, shows recent prevalence of epidemic measles at Chatham, Ontario, Canada, with more than 150 cases reported from the beginning of the outbreak. (Population, 16,000.)

### CUBA.

#### Communicable Diseases—Habana.

Communicable diseases have been reported at Habana as follows:

Disease.	May 1-10, 1924.		Remain- ing under treatment May 10, 1924.
	New cases.	Deaths.	
Cerebrospinal meningitis.....	1	.....	<sup>1</sup> 2
Chicken pox.....	15	.....	16
Diphtheria.....	13	.....	4
Leprosy.....	.....	.....	14
Malaria.....	8	.....	<sup>2</sup> 14
Measles.....	13	.....	11
Paratyphoid fever.....	.....	.....	1
Scarlet fever.....	1	.....	2
Typhoid fever.....	5	1	<sup>3</sup> 25

<sup>1</sup> From the interior, 1.

<sup>2</sup> From the interior, 5.

<sup>3</sup> From the interior, 13.

### ECUADOR.

#### Plague—April 16-30, 1924.

During the period April 16 to 30, 1924, five cases of plague with two deaths were reported at Guayaquil, Ecuador, and one case was reported at Posorja.

#### Plague-Infected Rats—Guayaquil.

During the same period there were taken at Guayaquil 9,614 rats, of which 28 were found plague infected.

## JAMAICA.

## Smallpox (Reported as Alastrim).

Smallpox (reported as alastrim) has been notified in the Island of Jamaica as follows: Week ended February 23, 1924,<sup>1</sup> 22 new cases; one case of which occurred in Kingston Parish. March 30–April 26, 1924, 185 new cases, 9 of which occurred in Kingston Parish.

## Chicken Pox.

During the period March 30 to April 26, 1924, 25 cases of chicken pox were reported in the Island of Jamaica, of which 6 cases occurred in the parish of Kingston.

## JAVA.

## Epidemic Smallpox—Patjiran, Soerabaya.

On March 8, 1924, the public health department of Java declared epidemic smallpox present at Patjiran, district of Lamongan, Soerabaya Residency.

## PANAMA CANAL.

## Communicable Diseases—March, 1924.

Communicable diseases were notified in the Panama Canal Zone during the month of April, 1924, as follows:

Disease.	Canal Zone.	Colon.	Panama.	Non-resident.	Total.
Chicken pox.....	3	3	5	1	12
Diphtheria.....	2		3		5
Dysentery.....		2	4	1	7
Hookworm.....		3	25	44	72
Leprosy.....	1	1			2
Malaria.....	26	1	1	39	67
Measles.....	38	6	7	1	52
Meningitis.....	1				1
Mumps.....	2				2
Pneumonia.....	1	2	24		27
Polioomyelitis.....	1	1			2
Tuberculosis.....	5	9	13	9	36
Whooping cough.....	48	2			50

## POLAND.

## Communicable Diseases—February 3–9, 1924.

Communicable diseases were reported in Poland during the week ended February 9, 1924, as follows:

Disease.	Cases.	Deaths.	Districts showing greatest number of deaths.
Cerebrospinal meningitis.....	16	7	Lodz.
Diphtheria.....	80	7	Warsaw.
Measles.....	219	3	Warsaw.
Scarlet fever.....	302	31	Warsaw.
Smallpox.....	33	5	Krakow.
Tuberculosis.....	130	255	Lodz.
Typhoid fever.....	226	22	Lodz.
Typhus fever.....	254	24	Stanislawow.
Typhus fever, recurrent.....	9		
Whooping cough.....	19	3	Warsaw.

<sup>1</sup> Report received out of date. See Public Health Reports, Mar. 21, 1924, p. 594.

**Dysentery—Malaria.**

During the same period 22 cases of dysentery and 18 cases of malaria were reported in Poland. One death from dysentery occurred in the district of Warsaw.

**RUSSIA.****Malaria.**

The opening of the regional malaria conference at Rostov-on-Don Russia, was reported March 27, 1924. Information presented to the conference showed 1,000,000 registered cases of malaria with an estimated number much in excess of that reported. The economic loss caused by the epidemic, including expense of treatment and loss of working capacity, was estimated at 18,000,000 rubles. The principal problem in malaria work studied by the conference was the draining of the marsh areas.

**Malaria Increase—Moscow.**

On March 29, 1924, malaria was stated to be increasing at Moscow, Russia, with 122, 127, and 247 cases, respectively, registered during the months of January, February, and March, 1924, as compared with 80, 104, and 283 cases registered during the corresponding months of the year 1923. It was stated that measures to combat the disease were being taken, including destruction of breeding places of the mosquito by the use of oil.

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.**

The reports contained in the following tables must not be considered as complete or final as regards either the lists of countries included or the figures for the particular countries for which reports are given.

**Reports Received During the Week Ended May 30, 1924.<sup>1</sup>****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
India.....				Mar. 16-22, 1924; Cases, 3,046; deaths, 1,918.
Siam: Bangkok.....	Mar. 23-29.....	2	1	

**PLAGUE.**

Brazil:				
Bahia.....	Mar. 9-15.....	1		
Ceylon:				
Colombo.....	Apr. 6-12.....	11	7	Plague rats, 2.
Ecuador:				
Guayaquil.....	Apr. 16-30.....	5	2	Rats taken, 9,614; found infected, 28.
Posorja.....	do.....	1		
India.....				Mar. 16-23, 1924: Cases, 13,381; deaths, 10,365.
Bombay.....	Mar. 30-Apr. 5.....	38	34	
Karachi.....	Apr. 11-17.....	13	10	
Indo-China:				
Saigon.....	Mar. 30-Apr. 5.....			One plague rodent.
Iraq:				
Bagdad.....	Mar. 23-29.....	9	6	
Straits Settlements:				
Singapore.....	Mar. 30-Apr. 5.....	1	1	
Syria:				
Beirut.....	Mar. 21-31.....	2		

<sup>1</sup> From medical officers of the Public Health Service, American consuls, and other sources.

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received During the Week Ended May 30, 1924—Continued.**

## **SMALLPOX.**

Place.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Aden.....	Apr. 13-19.....	1		
Brazil:				
Porto Alegre.....	Apr. 6-12.....		1	
Rio de Janeiro.....	Apr. 6-12.....	1		
British South Africa—				
Northern Rhodesia.....	Mar. 25-31.....	1		
Canada:				
Alberta—				
Calgary.....	May 4-10.....	5		
British Columbia—				
Vancouver.....	Apr. 27-May 10.....	42		
Ontario—				
Ottawa.....	May 4-10.....	1		
Ceylon:				
Colombo.....	Apr. 6-12.....	1		
China:				
Foochow.....	Mar. 30-Apr. 5.....			Present.
Hongkong.....	Mar. 9-22.....	60	52	
Manchuria—				
Dairen.....	Apr. 6-20.....	3	1	
Nanking.....	Apr. 6-19.....			Present.
Shanghai.....	Apr. 6-19.....	1	4	Cases, foreign; deaths, foreign and native.
Haiti:				
Cape Haitien.....	Apr. 20-26.....	1		
India:				
Bombay.....	Mar. 30-Apr. 5.....	124	67	
Karachi.....	Apr. 11-17.....	18	10	
Indo-China:				
Saigon.....	Mar. 30-Apr. 5.....	46	27	Including 100 square kilometers of surrounding country.
Italy:				
Province—				
Treviso.....	Apr. 1-15.....	15		Estimated.
Jamaica.....				Mar. 30-Apr. 26, 1924: Cases, 185. Delayed report for Feb. 17-23, 1924: Cases, 22. (Reported as alastrim.)
Kingston.....	Mar. 30-Apr. 26.....	9		Delayed report for Feb. 17-23, 1924: One case.
Java:				
East Java—				
Soerabaya.....	Mar. 9-15.....	43	6	
Patjiram.....	Mar. 8.....			Epidemic.
West Java—				
Batavia.....	Mar. 29-Apr. 4.....	16	2	Province.
Mexico:				
Mexico City.....	Apr. 6-12.....	19		
Tampico.....	May 1-10.....	3	2	Including municipalities in Federal District.
Poland.....				Feb. 3-9, 1921: Cases, 33; deaths, 5.
Siam:				
Bangkok.....	Mar. 23-29.....	1		
Spain:				
Valencia.....	Apr. 27-May 3.....	13		
Straits Settlements:				
Penang.....	Mar. 16-20.....	2	2	
Switzerland:				
Berne.....	Apr. 20-26.....	1		
Syria:				
Damascus.....	Mar. 26-Apr. 12.....	7		
On vessel:				
Steamship Nitokris.....	Apr. 30.....	1		At Guayaquil, Ecuador, from Valparaiso, Chile. Under treatment at Lazaretto.

## **TYPHUS FEVER.**

Chile:				
Concepcion.....	Apr. 8-21.....		2	
Talcahuano.....	Apr. 20-26.....	1	1	
Egypt:				
Cairo.....	Jan. 22-28.....	2	1	
Hungary:				
Budapest.....	Apr. 6-19.....	5	3	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

## **Reports Received During the Week Ended May 30, 1924—Continued.**

### **TYPHUS FEVER—Continued.**

Place.	Date.	Cases	Deaths.	Remarks.
Mexico: Mexico City.....	Apr. 6-12.....	5	-----	Including municipalities in Federal District.
Palestine: Jaffa.....	Apr. 15.....	2	-----	Feb. 3-9, 1924: Cases, 254; deaths, 24. Recurrent fever, 9 cases.
Poland.....	-----	-----	-----	-----
Turkey: Constantinople.....	Mar. 29-Apr. 4.....	1	-----	-----

## **Reports Received from December 29, 1923, to May 23, 1924.<sup>1</sup>**

### **CHOLERA.**

China: Hengkong.....	Nov. 18-24.....	1	-----	-----
India.....	-----	-----	-----	Oct. 14-Dec. 22, 1923: Cases, 14,117; deaths, 9,148.
Do.....	-----	-----	-----	Dec. 30, 1923-Mar. 15, 1924: Cases, 33,185; deaths, 18,763.
Bombay.....	Dec. 23-29.....	1	1	-----
Do.....	Feb. 3-Mar. 29.....	18	18	-----
Calcutta.....	Nov. 11-Dec. 29.....	85	69	-----
Do.....	Dec. 30-Apr. 5.....	490	403	-----
Madras.....	Nov. 25-Dec. 29.....	15	5	-----
Do.....	Dec. 30-Apr. 12.....	26	12	-----
Rangoon.....	Nov. 11-Dec. 29.....	8	5	-----
Do.....	Feb. 24-Apr. 5.....	13	11	-----
Indo-China: Saigon.....	Dec. 31-Mar. 29.....	4	4	Including 109 square kilometers of surrounding country.
Philippine Islands: City—	-----	-----	-----	-----
Manila.....	Feb. 3-9.....	1	1	-----
Province—	-----	-----	-----	-----
Cebu.....	Mar. 2-8.....	1	1	-----
Siam: Bangkok.....	Nov. 18-Dec. 8.....	4	2	-----
Do.....	Dec. 31-Mar. 29.....	11	7	-----
Turkey: Constantinople.....	Dec. 2-8.....	-----	1	-----

### **PLAGUE.**

Azores: St Michael Island.....	Oct. 20-Nov. 10.....	9	5	At localities 3 to 9 miles from port of Ponta Delgada.
Bolivia: La Paz.....	Oct. 1-31.....	-----	3	-----
Do.....	Feb. 1-Mar. 31.....	-----	10	-----
Brazil: Bahia.....	Nov. 11-Dec. 22.....	5	3	-----
Do.....	Dec. 30-Feb. 16.....	6	6	-----
Porto Alegre.....	Feb. 10-Apr. 5.....	3	1	-----
Rio de Janeiro.....	Jan. 20-26.....	1	-----	-----
British East Africa: Kenya—	-----	-----	-----	-----
Kisumu.....	Feb. 24-Mar. 8.....	1	1	-----
Mombasa.....	Oct. 14-20.....	1	1	-----
Do.....	Dec. 30-Jan. 5.....	1	1	Infected rats, 2. Dec. 9-15, 1923: Cases, 4; deaths, 2; removed from vessel arrived Dec 11, 1923.
Nairobi.....	Nov. 1-21.....	40	-----	In rural districts, several hundred.
Tanganyika: Do.....	Jan. 27-Feb. 9.....	8	5	To Nov. 24, 1923: Cases, 39; deaths, 25.
Uganda: Entebbe.....	Aug. 1-Oct. 31.....	734	719	-----
Do.....	Oct. 1-Dec. 31.....	251	239	-----
Do.....	Jan. 1-31.....	36	35	-----

<sup>1</sup> From medical officers of the Public Health Service, American consuls, and other sources.

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from December 29, 1923, to May 23, 1924—Continued.**

## **PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Canary Islands:				
Las Palmas	Oct. 15-Nov. 15	14	14	
Santa Cruz de Teneriffe	Feb. 19-Apr. 8	5		
San Juan de la Rambla	Dec. 11	1		Locality 52 km. from Teneriffe.
Celebes Island	Mar. 30			Epidemic.
Macassar	Feb. 20-Mar. 8	11	7	Including Menado.
Ceylon:				
Colombo	Nov. 11-Dec. 29	31	21	Plague rodents, 21.
Do	Dec. 30-Apr. 5	84	80	Plague rodents, 44.
Chile:				
Antofagasta	Mar. 16-Apr. 12	10	1	
China:				
Nanking	Dec. 16-29			Present.
Do	Dec. 30-Apr. 5			Do.
Antung	Mar. 31-Apr. 6	1		
Ecuador:				
Eloy Alfaro	Mar. 16-31	1	1	
Guayaquil	Nov. 16-Dec. 31	45	13	Rats taken, 53,240; found infected, 133.
Do	Jan. 1-Apr. 15	107	33	Rats taken, 109,843; found infected, 492.
Jipijapa	Nov. 16-Dec. 15			Present.
Posorja	Apr. 1-15	5	1	
Quevedo	Jan. 1-31	3	2	
Quito	Nov. 1-30	11	1	
Santa Rosa	Feb. 16-29			Do.
Vino del Milagro	Dec. 1-15	1		
Egypt:				
City—				Jan. 1-Dec. 31, 1923: Cases, 1,519; deaths, 725. Jan. 1-Mar. 27, 1924: Cases, 86; deaths, 55.
Alexandria	Year 1923	65	33	
Cairo	do	2	2	
Port Said	do	51	29	
Suez	do	46	24	
Do	Jan. 2-Mar. 27	6	3	
Province—				
Assiout	Year 1923	370	211	
Beni Souef	do	63	23	
Charkieh	Jan. 31-Mar. 27	2	2	
Dakhaliéh	Year 1923	2	2	
Fayoum	do	34	9	
Do	Feb. 18-Mar. 27	2	2	
Gharblich	Year 1923	23	9	
Girgeh	do	337	193	
Do	Jan. 17-Mar. 27	7	4	
Gizeh	Year 1923	3	4	
Kalioubiah	do	76	10	
Do	Jan. 6-Mar. 27	1		
Kena	Year 1923	50	34	
Menoufieh	do	290	98	
Do	Jan. 2-Mar. 27	56	34	
Minia	Year 1923	106	44	
Do	Feb. 5-Mar. 27	5	4	
Greece:				
Kalamata	Apr. 18-24			Several deaths.
Patras	do			Do.
Hawaii:				
Honokaa				Jan. 8-Mar. 14, 1924: Four plague-infected rodents.
Paauihau				Dec. 14, 1923: One plague rat, Feb. 14, 1924: One plague rat.
India:				Oct. 14-Dec. 29, 1923: Cases, 34,542; deaths, 23,778.
Do				Dec. 30, 1923-Mar. 29, 1924: Cases, 72,064; deaths, 52,183.
Bombay	Oct. 28-Dec. 22	5	5	
Do	Dec. 30-Mar. 29	208	160	
Calcutta	Dec. 23-29	1	1	
Do	Jan. 6-Apr. 5	8	7	
Karachi	Nov. 11-Dec. 29	42	23	
Do	Dec. 30-Apr. 12	45	34	
Madras Presidency	Nov. 4-Dec. 29	1,657	1,021	
Do	Jan. 27-Apr. 5	612	417	
Rangoon	Jan. 27-Feb. 16	20	15	
Do	Dec. 30-Apr. 5	142	132	
Indo-China:				
Saigon	Oct. 28-Dec. 8	19	6	Including 100 square kilometers of surrounding country.
Do	Jan. 27-Mar. 1	2	1	Do.

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from December 29, 1923, to May 23, 1924—Continued.**

## **PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Iraq:</b>				
Bagdad.....	Nov. 11-Dec. 29.....	8	6	
Do.....	Jan. 6-Apr. 1.....	46	23	
<b>Java:</b>				Oct. 1-Dec. 31, 1923: Deaths, 2,908. Jan. 1-Feb. 29: Deaths, 1,732.
East Java—				
Djakakarta.....	Oct. 1-Dec. 31.....		146	
Do.....	Jan. 1-Feb. 29.....		92	
Kedoe.....	Oct. 1-Dec. 31.....		1,287	
Do.....	Jan. 1-Feb. 29.....		626	
Paseroean.....	Feb. 1-29.....		3	
Pekalongan.....	Oct. 1-Dec. 31.....		150	
Do.....	Jan. 1-Feb. 29.....		107	
Samarang.....	Oct. 1-Dec. 31.....		430	
Do.....	Jan. 1-Feb. 29.....		183	
Soerabaya.....	Oct. 1-Dec. 31.....		9	
Do.....	Jan. 1-Feb. 29.....		17	Plague rats, 5.
Soerakarta.....	Oct. 1-Dec. 31.....		886	Corrected report.
Do.....	Jan. 1-Feb. 29.....		704	
<b>Madagascar:</b>				
Tananarive Province.....	Oct. 1-Dec. 31.....	324	272	Bubonic, pneumonic, septice-mic. July 1-Dec. 31, 1923—city and Province: Cases, 429; deaths, 367. Jan. 1-Feb. 29, 1924—city and Province: Cases, 525; deaths, 465.
Ambatondrazaka.....	Feb. 1-15.....	8		District. Type, pneumonic.
Ambositra.....	Feb. 1-29.....	8	1	Do.
Other localities.....	do.....	229	214	
Tananarive town.....	Oct. 1-Dec. 31.....	74	74	
Do.....	Jan. 29-Feb. 29.....	27	26	
<b>Paraguay:</b>				
Asuncion.....	Dec. 18.....	6	4	
<b>Peru:</b>				Nov. 1-Dec. 31, 1923: Cases, 38; deaths, 24. Jan. 1-Mar. 31, 1924: Cases, 162; deaths, 49.
Locality—				
Ayabaca.....	Mar. 1-31.....	4		
Barranco.....	do.....	1		
Callao.....	Jan. 1-Mar. 31.....	7	2	
Cañete.....	Nov. 1-30.....	1	1	
Do.....	Feb. 1-Mar. 31.....	14	5	
Casma.....	Mar. 1-31.....	2	1	
Chancay.....	Dec. 1-31.....	2		
Chepén.....	Nov. 1-30.....	1		
Chiclayo.....	Nov. 1-Dec. 31.....	2	1	
Chilca.....	Jan. 1-31.....	1		
Guadalupe.....	Feb. 1-Mar. 31.....	3	1	
Huacho.....	do.....	5	3	
Huaral.....	do.....	11	4	
Huarmey.....	Jan. 1-Mar. 31.....	22	4	
Lambayeque.....	Mar. 1-31.....	2		
Lima (city).....	Nov. 1-Dec. 31.....	22	15	
Do.....	Jan. 1-Mar. 31.....	41	21	
Lima (country).....	Nov. 1-Dec. 31.....	8	7	
Do.....	Jan. 1-Mar. 31.....	11	2	
Lurin.....	do.....	2		
Mollendo.....	do.....	3	2	
Moro.....	Mar. 1-31.....	7		
Paita (city).....	Jan. 1-Mar. 31.....	1	1	
Paita (country).....	do.....	8	1	
Reque.....	do.....	4		
Salaverry.....	Mar. 1-31.....	1		
Sullana.....	Jan. 1-Mar. 31.....	2		
Trujillo.....	do.....	12	2	Country
<b>Portugal:</b>				
Lisbon.....	Dec. 13-21.....	7		
Do.....	Dec. 31-Jan. 6.....		1	
<b>Portuguese West Africa:</b>				
Angola—				
Loanda.....	Oct. 1-Dec. 29.....	50	29	
Do.....	Dec. 30-Feb. 2.....		4	
<b>Russia:</b>				
Bukeeve Province.....				Oct. 1, 1923-Mar. 10, 1924: Cases, 339; deaths, 315; 66 plague centers; entire southeast section cases, 473; deaths, 435.
Ural Provinces.....				Oct. 1, 1923-Feb. 4, 1924: Cases, 441; 4 plague centers.
Kalmuk district.....	Mar. 10.....	3		At a locality on the coast; 16 cases, 8 deaths.
Novy Kazanba.....	Mar. 1.....		4	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from December 29, 1923, to May 23, 1924—Continued.**

## **PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Siam:				
Bangkok.....	Nov. 4-Dec. 8.....	3	5	
Do.....	Jan. 13-Mar. 22.....	5	5	
Siberia:				
Transbaikalia—				
Chita.....	Jan. 27.....	2	2	Pneumonic. Occurring in veterinary laboratory workers.
Spain:				
Malaga.....	Dec. 1-31.....	4		
Straits Settlements:				
Penang.....	Jan. 27-Feb. 2.....	1	1	
Singapore.....	Nov. 11-Mar. 15.....	4	4	
Do.....	Dec. 30-Mar. 1.....	14	11	
Syria:				
Beirut.....	Nov. 1-Dec. 10.....	3		
Do.....	Jan. 1-10.....	1		
Turkey:				
Constantinople.....	Dec. 2-22.....	6	3	
Union of South Africa				Dec. 16, 1923-Apr. 5, 1924: Cases, 246; deaths, 159 (European cases, 41; deaths, 30).
Cape Province.....				Reported Mar. 17, 1924: Cases, 11; deaths, 7.
Uitenhage district.....	Dec. 9-15.....			Plague rodent found in vicinity Haarhoff's Kraal farm.
Orange Free State.....				Jan. 27-Mar. 8, 1924: Cases, 74; deaths, 45. (White cases, 9; colored cases, 41; deaths, 14.)
Thaba 'Ncho.....				Feb. 10: Death of case (white) previously reported.
Hoopstad district.....	Feb. 3-9.....	1		Mar. 23-29, 1924. One plague rat
Kroonstad district.....	Dec. 16-27.....	7	3	
Do.....	Jan. 6-Feb. 9.....	43	10	
Winburg district.....	Feb. 3-9.....	1		
Wonderfontein farm.....	Dec. 2-8.....	4		Vicinity of Hoopstad. At Hoopstad, Dec. 9-15, 1923, one death of case previously reported.
Transvaal—				
Wolmaransstad district.....	Mar. 2-8.....	3	1	White, one case
West Africa.....				Apr. 2, 1924: Reported present in one locality.
On vessels:				
.....	Dec. 11.....	4	2	At Mombasa, British East Africa.
.....	Jan. 24.....	2		At Varna, Bulgaria, from Syrian port.

## **SMALLPOX.**

Algeria:				
Algiers.....	Nov. 1-39.....	1		
Do.....	Mar. 1-31.....	1		
Arabia:				
Aden.....	Dec. 16-22.....	1		Imported.
Do.....	Jan. 13-Apr. 5.....	7		Four imported.
Belgium:				
Brussels.....	Jan. 13-Mar. 29.....	10		
Bolivia:				
La Paz.....	Oct. 1-Dec. 31.....	45	15	
Do.....	Jan. 1-Mar. 31.....	35	19	
Brazil:				
Bahia.....	Jan. 6-12.....	2		
Pernambuco.....	Nov. 4-Dec. 1.....	15	3	
Do.....	Jan. 6-Feb. 23.....		8	
Porto Alegre.....	Dec. 23-29.....	1	1	
Do.....	Dec. 30-Mar. 8.....		2	
Rio de Janeiro.....	Nov. 18-24.....	3	4	
Do.....	Jan. 6-Mar. 29.....	4	2	
Sao Paulo.....	Sept. 3-9.....	1		

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from December 29, 1923, to May 23, 1924—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>British East Africa:</b>				
Tanganyika Territory.....	Sept. 30-Dec. 29.....	30	7	
Do.....	Jan. 6-12.....	2		
Uganda.....	Sept. 1-30.....	6	1	
Entebbe.....	Oct. 1-Dec. 31.....	5	1	
Zanzibar.....	Sept. 1-Oct. 31.....	116	18	Sept. 1-30, 1923: In areas 27 miles from town of Zanzibar. Oct. 1-31, 1923: In vicinity, 1 case, 1 death. In Mikotoni district, 30 cases, 14 deaths reported.
<b>British South Africa:</b>				
Northern Rhodesia.....				Dec. 4-31, 1923: Cases, 40; deaths, 5.
Do.....	Feb. 26-Mar. 3.....	1		Jan. 1-31, 1924: Cases, 50; deaths, 11; reported from Balorale, Kalabo, and Mankoya districts.
<b>Canada:</b>				
Alberta—				
Calgary.....	Jan. 27-Apr. 26.....	39		
<b>British Columbia—</b>				
Vancouver.....	Dec. 22-29.....	10		
Do.....	Dec. 30-Feb. 23.....	54		
Victoria.....	Feb. 10-Mar. 29.....	3		
<b>Manitoba—</b>				
Winnipeg.....	Nov. 25-Dec. 29.....	21		
Do.....	Dec. 30-May 3.....	81		
<b>New Brunswick—</b>				
Frederickton.....				Feb. 1-29, 1924; Cases, 8.
Gloucester County.....	Mar. 2-Apr. 5.....	4		
Madawaska County.....	Dec. 8-15.....	1		
Restigouche County.....	Apr. 20-26.....	1		Jan. 1-Mar. 31, 1924: Cases, 5.
Victoria County.....	Feb. 10-16.....	2		
Westmoreland County.....	Feb. 10-Apr. 26.....	5		
<b>Ontario.</b>				Jan. 1-Apr. 30, 1924: Cases, 397; deaths, 31.
Amherstburg.....	Mar. 1-31.....	16	8	
Chapleau.....	do.....	13	1	
Cochrane.....	do.....	15	5	
Essex Border.....	do.....	12	6	
Fort William and Port Arthur.....	Dec. 16-29.....	3		Occurring at Fort William.
London.....	Feb. 3-Apr. 5.....	9		
North Bay.....	do.....	1		
Perth.....	Mar. 1-31.....	14		
Toronto.....	Jan. 17-Mar. 31.....	15		
Ottawa.....	Feb. 17-Apr. 26.....	9	1	
Windsor.....	Feb. 1-Mar. 15.....	52	11	
<b>Quebec—</b>				
Montreal.....	Nov. 30-Feb. 23.....	7		
<b>Saskatchewan—</b>				
Regina.....	Dec. 9-15.....	1		
Do.....	Dec. 30-Feb. 23.....	6	1	
<b>Ceylon:</b>				
Colombo.....	Nov. 11-17.....	3	1	
Do.....	Jan. 20-Feb. 23.....	5	1	
<b>Chile:</b>				
Antofagasta.....	Jan. 6-Apr. 12.....	6	1	
Concepcion.....	Oct. 1-Dec. 31.....		14	
Talcahuano.....	Nov. 26-Dec. 2.....	3		Dec. 22, 1923: Five cases present.
Valparaiso.....	Dec. 9-15.....		1	
Do.....	Jan. 13-Mar. 15.....		8	
<b>China:</b>				
Amoy.....	Nov. 18-Dec. 8.....		11	
Do.....	Jan. 6-Apr. 5.....		14	Including Kulangsu, 14 deaths; and in hospital, Feb 9, 1924, more than 30 cases stated to be present.
Antung.....	Dec. 31-Apr. 6.....	3	2	
Canton.....	Dec. 23-Feb. 23.....			Present.
Chungking.....	Nov. 4-Dec. 29.....			Present and endemic.
Do.....	Dec. 30-Apr. 5.....			Stated to be widespread.
Foochow.....	Nov. 4-Dec. 15.....			Present.
Do.....	Dec. 31-Mar. 29.....			Do.
Hongkong.....	Oct. 28-Dec. 29.....	769	680	
Do.....	Dec. 30-Mar. 8.....	530	549	
<b>Manchuria—</b>				
Dairen.....	Dec. 31-Jan. 20.....	2		
Do.....	Mar. 3-9.....	1		
Harbin.....	Nov. 12-Dec. 22.....	36		
Do.....	Jan. 1-Mar. 17.....	19	5	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from December 29, 1923, to May 23, 1924—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Nanking.....	Dec. 2-15.....			Present.
Do.....	Dec. 30-Apr. 5.....			Do.
Shanghai.....	Dec. 29.....			Prevalent.
Do.....	Jan. 6-Apr. 5.....	30	73	Cases, foreign; deaths, Chinese, and foreign.
Tientsin.....	Mar. 23-29.....	2		Reported by mission and British municipality.
Chosen (Korea):				
Chemulpo.....	Jan. 1-31.....	1		
Seoul.....	Nov. 1-30.....	1		
Do.....	Feb. 1-Mar. 31.....	5		
Colombia:				
Barranquilla.....	Apr. 6-12.....		2	
Buenaventura.....	Nov. 18-Dec. 15.....	8		
Do.....	Apr. 3-12.....	3		
Costa Rica:				
Port Limon.....	Feb. 18-Apr. 5.....	2		
Czechoslovakia.....				Oct. 1-Dec. 31, 1923: Cases, 1; deaths, 1 occurring in Slovakia.
Dominican Republic:				
La Romana.....	Jan. 27-Mar. 22.....	14		
Ecuador:				
Esmeraldas.....	Nov. 16-30.....	4		
Guayaquil.....	Dec. 1-31.....	1		
Do.....	Jan. 1-Feb. 29.....	3		
Milagro.....	Apr. 1-15.....	1		
Quito.....	Nov. 1-30.....	167	26	
Egypt:				
Alexandria.....	Feb. 27-Apr. 15.....	4	7	
Cairo.....	Jan. 1-7.....	1	1	
Port Said.....	Nov. 24-Dec. 2.....	1		
Estonia.....				Nov. 1-Dec. 31, 1923: Cases, 33. Jan. 1-Feb. 29, 1924: Cases, 14.
France:				
Cherbourg.....	Feb. 9-15.....	1		British seaman.
Gibraltar.....	Mar. 3-Apr. 13.....	2		
Great Britain:				
Liverpool.....	Mar. 2-8.....	1		In family of seaman recently returned from Oporto, Portugal.
Greece:				
Saloniki.....	Oct. 22-Dec. 30.....		11	
Do.....	Dec. 31-Mar. 23.....	23	10	
Gundeloupe (West Indies)				Jan. 2-16, 1924: Present.
Abymes.....	Feb. 16.....			Present. Vicinity of Point à Pitre.
Basse Terre.....	Dec. 18.....			Present.
Do.....	Jan. 12-Feb. 16.....			Do.
Mario Galante Island.....	Dec. 18.....			Off shore island: Present.
Do.....	Feb. 16.....			Present. Estimated 60 cases.
Moule.....	Jan. 12-Feb. 16.....			Present.
Point à Pitre.....	Dec. 18.....			Present in vicinity.
Haiti:				
Cape Haitien.....	Feb. 3-9.....	3		Mar. 9-15, 1924: Two cases in hospital.
Hinche.....	Feb. 10-16.....	1		
Port au Prince.....	Feb. 17-Mar. 1.....	2	1	Developed at Limbe, Haiti.
India.....				Oct. 14-Dec. 23, 1923: Cases, 9,720; deaths, 2,241.
Do.....				Dec. 30, 1923-Feb. 23, 1924: Cases, 24,007; deaths, 5,109.
Bombay.....	Oct. 23-Dec. 29.....	55	25	
Do.....	Dec. 30-Mar. 20.....	798	392	
Calcutta.....	Dec. 16-29.....	4	4	
Do.....	Dec. 30-Apr. 5.....	18	16	
Karachi.....	Dec. 30-Apr. 12.....	110	37	
Madras.....	Nov. 4-Dec. 29.....	23	3	
Do.....	Dec. 30-Apr. 12.....	260	21	
Rangoon.....	Nov. 4-Dec. 29.....	12	4	
Do.....	Dec. 30-Apr. 5.....	53	21	
Indo-China:				
City.....				
Saigon.....	Nov. 4-Dec. 29.....	133	74	Including 100 square kilometers of surrounding country.
Do.....	Dec. 31-Mar. 29.....	687	384	
Iraq:				
Bagdad.....	Oct. 24-Dec. 29.....	46	28	
Do.....	Dec. 30-Feb. 16.....	44	33	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from December 29, 1923, to May 23, 1924—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Italy:				
Trieste.....	Feb. 17-23.....	4		
Turin.....	Feb. 18-24.....	1		
Jamaica:				Nov. 25-Dec. 29, 1923: Cases, 115.
Do.....				Dec. 30, 1923-Mar. 29, 1924:
Kingston.....	Nov. 25-Dec. 29.....	3		Cases, 233. Reported as alas-
Do.....	Dec. 30-Mar. 8.....	8		trim.
Japan:				
Kobe.....	Feb. 14-Apr. 17.....	16	7	
Nagoya.....	Apr. 6-12.....	3	1	
Taiwan.....	Jan. 1-Mar. 31.....	8		
Tokyo.....	Jan. 1-Apr. 12.....	136		
Yokohama.....	Mar. 30-Apr. 6.....	1		
Java:				
East Java—				
Soerabaya.....	Oct. 23-Dec. 29.....	348	60	
Do.....	Dec. 30-Mar. 8.....	170	34	
West Java—				
Batavia.....	Oct. 27-Dec. 28.....	65	13	
Do.....	Dec. 29-Mar. 21.....	32	6	
Latvia.....				Oct. 1-Dec. 31, 1923: Cases, 6;
Malta.....	Feb. 1-29.....	1		Jan. 1-Feb. 29, 1924: Cases, 5.
Mexico:				
Guadalajara.....	Jan. 27-Mar. 31.....	5	7	
Manzanillo.....	Dec. 4-10.....	5	1	
Mazatlan.....	Mar. 31-Apr. 13.....		4	Apr. 21, 1924: Cases from 25-35.
				In city and vicinity. No mor-
				tality reported.
Mexico City.....	Nov. 25-Dec. 29.....	32		Including municipalities in Fed-
Do.....	Dec. 30-Apr. 5.....	121	23	eral district.
Monterey.....				Do.
				Mar. 24, 1924, 11 cases officially
				announced.
Salina Cruz.....	Jan. 1-Apr. 12.....	2	1	Nine cases chicken pox present.
San Luis Potosi.....	Mar. 16-22.....		1	
Tampico.....	Jan. 21-Apr. 30.....	42	1	From Irapuato, 9; La Barra, 1.
Vera Cruz.....	Nov. 3-Dec. 30.....		4	Jan. 21-Apr. 10, 1924: Cases, 36
Do.....	Jan. 6-Apr. 20.....	2	7	(12 in soldiers or soldiers' fam-
				ilies); deaths, 5.
Netherlands:				
Rotterdam.....	Jan. 20-26.....	3		
Palestine:				
Jaffa.....	Jan. 15-28.....	3		
Jerusalem.....	Feb. 18-25.....	1		
Persia:				
Teheran.....	Sept. 24-Dec. 23.....		4	
Do.....	Dec. 22-Jan. 31.....		2	
Poland.....				Sept. 23-Dec. 31, 1923: Cases, 83;
				deaths, 20. Jan. 1-Feb. 2, 1924:
				Cases, 242; deaths, 22.
Portugal:				
Lisbon.....	Nov. 11-Dec. 29.....	19	10	Corrected report.
Do.....	Dec. 31-Apr. 13.....	98	19	
Oporto.....	Nov. 25-Dec. 29.....	39	23	
Do.....	Dec. 30-Apr. 26.....	105	57	
Portuguese East Africa:				
Lourenco Marques.....	Dec. 30-Jan. 5.....	2		
Portuguese West Africa:				
Angola—				
Loanda.....	Dec. 2-29.....		5	
Russia:				
Ukraine.....				Aug. 1-Sept. 30, 1923: Cases, 143.
Siam:				
Bangkok.....	Oct. 28-Dec. 8.....	33	18	Nov. 25-Dec. 1, 1923: Epidemic.
Do.....	Dec. 30-Mar. 22.....	9	2	
Siberia:				
Dauria Station.....	Oct. 21.....			Present. Locality on Chita Rail-
				way, Manchurian frontier.
Sierra Leone:				
Sherbro District—				
Tagball.....	Nov. 1-15.....	3		
Spain:				
Barcelona.....	Nov. 15-Dec. 26.....		2	
Do.....	Jan. 3-Mar. 26.....		5	
Cadiz.....	Mar. 1-31.....		2	
Valencia.....	Nov. 25-Dec. 29.....	152	12	
Do.....	Dec. 30-Apr. 19.....	415	37	

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from December 29, 1923, to May 23, 1924—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Straits Settlements:				
Singapore	Dec. 16-29	2	1	
Do.	Dec. 30-Mar. 29	5		
Switzerland:				
Basel	Jan. 27-Feb. 9	4		Corrected.
Berne	Nov. 17-Dec. 22	15		
Do.	Jan. 6-Apr. 5	37	1	
Lucerne	Nov. 1-Dec. 31	60		
Do.	Jan.-Mar. 31	29		
Zurich				
Syria:				
Aleppo	Nov. 25-Dec. 1	1		In vicinity, at Djsr Choughour.
Beirut	Jan. 21-Feb. 20	2		
Damascus	Nov. 16-Dec. 15	7		
Do.	Jan. 29-Mar. 25	31		
Tunis:				
Tunis	Oct. 27-Nov. 2	5	1	
Do.	Jan. 8-Apr. 28	10	5	
Turkey:				
Constantinople	Nov. 11-Dec. 8	3		Dec. 1-31, 1923: Cases, 120 deaths, 15.
Do.	Jan. 6-Apr. 5	4	1	
Union of South Africa:				
Cape Province	Oct. 28-Dec. 8			Oct. 1-31, 1923: Colored, cases, 41; deaths, 2; white, cases, 3; Feb. 1-29, 1924: Cases, 71 (white, 6); 1 death.
Do.	Jan. 20-Mar. 22			Outbreaks.
Natal	Oct. 28-Nov. 3			Do.
Do.	Mar. 16-22			Do.
Orange Free State	Oct. 28-Nov. 24			Do.
Do.	Jan. 20-Mar. 29			Do.
Transvaal	Nov. 18-Dec. 1			Do.
Do.	Mar. 11-17			Do.
Johannesburg	Nov. 25-Dec. 15	3		
Do.	Feb. 3-23	2		
Uruguay:				
Montevideo	Oct. 1-31	1		
Venezuela:				
Caracas	Jan. 22			Epidemic.
Margarita Island—				
Punta Piedra	Mar. 21	60		20 miles from mainland.
On vessels:				
Steamship Coppename	Mar. 19	1		At New Orleans from Puerto Barrios, Guatemala.
U. S. Naval Hospital ship Mercy	Apr. 1	1		At St. Thomas, Virgin Islands, from Culebra, P. I. Patient had been in Jamaica W. I., two weeks previous. Case reported as alastrim.
S. S. Torres	Jan. 14	1		At New Orleans quarantine station from Tampico, Mexico, via ports. Case in seaman signed on at Galveston, Tex., on outward voyage.
S. S. Tupper	Jan. 20-26	1		At Gonaves, Haiti.
S. S. Vasari	Dec. 31	1		At Trinidad, West Indies, from Buenos Aires, Argentina. Vessel left Buenos Aires Dec. 15, 1923, for New York, via Santos, Rio de Janeiro, Trinidad, Barbados.
Sch. Annie M. Parker	Jan. 23	3		At sea. Vessel abandoned and crew removed to vessel bound for Rotterdam. Patients removed at Liverpool Feb. 28, bound for Newfoundland.

## **TYPHUS FEVER.**

Algeria:			
Algiers	Nov. 1-Dec. 31	7	3
Do.	Jan. 1-Mar. 31	21	7
Bolivia:			
La Paz	Oct. 1-Dec. 31	43	5
Do.	Jan. 1-Mar. 31	31	3

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from December 29, 1923, to May 23, 1924—Continued.**

## **TYPHUS FEVER—Continued.**

Place.	Date.	Cases	Deaths.	Remarks.
Brazil:				
Porto Alegre.....	Feb. 24-Mar. 1.....		1	
Bulgaria:				
Sofia.....				Nov. 18-Dec. 15, 1923: Paratyphus fever, cases, 17. Jan. 6-Mar. 29, 1924: Paratyphus fever, cases, 9.
Canary Islands:				
Teneriffe.....	Jan. 14-Feb. 17.....		2	
Ceylon:				
Colombo.....	Feb. 24-Mar. 1.....	1	1	Case from port.
Chile:				
Antofagasta.....	Dec. 2-8.....	4		
Do.....	Apr. 6-12.....	2		
Concepcion.....	Oct. 1-Nov. 30.....		4	Dec. 11-24, 1923: Deaths, 3.
Do.....	Jan. 8-Mar. 31.....	2	11	In district, at 12 localities, 92 cases.
Iquique.....	Jan. 20-26.....		1	
Talcahuano.....				Dec. 5, 1923: 3 cases under treatment. Jan. 12, 1924: 1 case under treatment.
Do.....	Jan. 31-Apr. 6.....	5	1	
Valparaiso.....	Nov. 25-Dec. 15.....		29	Dec. 24, 1923: In hospital, 34 cases.
Do.....	Dec. 30-Mar. 15.....		44	Reports from two districts of the Province of Valparaiso.
China:				
Antung.....	Nov. 12-Dec. 30.....	5		
Chungking.....	Nov. 18-24.....			Present.
Do.....	Dec. 16-29.....			Endemic.
Do.....	Dec. 30-Feb. 16.....			Do
Manchuria—				
Harbin.....	Mar. 18-24.....		1	
Chosen (Korea):				
Chemulpo.....	Feb. 1-Mar. 31.....	5	3	
Seoul.....	Feb. 1-Mar. 31.....	86	7	
Czechoslovakia.....				Oct.—Dec., 1923: Cases, 21.
Danzig-Polish frontier:				
Mühlbanz.....	Mar. 6.....			Present: Origin stated to be focus at Mallinia.
Ecuador:				
Quito.....	Nov. 1-30.....	14	1	
Egypt:				
Alexandria.....	Nov. 19-Dec. 23.....	3		
Do.....	Jan. 8-Apr. 1.....	7		
Cairo.....	Sept. 10-Dec. 31.....	39	11	
Do.....	Jan. 8-22.....	2	1	
Estonia.....				Nov. 1-30, 1923: Paratyphus fever, cases, 8. Dec. 1-31, 1923: Typhus fever, cases, 15; paratyphus fever, cases, 4. January, 1924: Paratyphus fever, cases, 6. Dec. 1-15, 1923: Paratyphus fever, cases, 15. Feb. 15-Mar. 31, 1924: Paratyphus, fever cases, 12.
Finland.....				
Germany:				
Coblenz.....	Jan. 27-Feb. 2.....	1		
Greece:				
Athens.....	Jan. 11-Feb. 20.....		7	
Saloniki.....	Nov. 26-Dec. 30.....	7	3	
Hungary.....				July 1-Aug. 31, 1923: Cases, 24.
Budapest.....	Jan. 27-Apr. 5.....	30	10	
Java:				
East Java—				
Soerabaya.....	Dec. 9-29.....	12		
Do.....	Dec. 30-Jan. 5.....	2		
Latvia.....				Oct. 1-Dec. 31, 1923: Cases, 22; paratyphus fever, 12; recurrent typhus, 3. Jan. 1-Feb. 29, 1924: Cases, 48. Paratyphus, A, 1; B, 1. Recurrent, 1 case.
Libau.....	Apr. 8-15.....	4		
Lithuania.....				Year, 1923: Cases, 819; deaths, 86; recurrent typhus, 13 cases. Feb. 1-29, 1924: Cases, 51; deaths, 9.

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from December 29, 1923, to May 23, 1924—Continued.**

## **TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Durango.....	Dec. 1-31.....	.....	2	
Do.....	Jan. 1-Feb. 29.....	.....	3	
Guadaluajara.....	Jan. 27-May 3.....	5	8	Feb. 1-29, 1924: Cases, 2; deaths, 1.
Mexico City.....	Nov. 25-Dec. 29.....	86	.....	Including municipalities in Federal District.
Do.....	Dec. 20-Apr. 5.....	78	8	Do.
San Luis Potosi.....	Jan. 17-23.....	.....	1	
Torreón.....	Feb. 1-Mar. 31.....	.....	6	
Netherlands:				
Amsterdam.....	Mar. 2-8.....	2	.....	
Norway:				
Stavanger.....	Dec. 25-31.....	1	.....	
Palestine:				
Jaffa.....	Jan. 1-Mar. 31.....	5	.....	
Jerusalem.....	Feb. 19-28.....	2	.....	
Persia:				
Teheran.....	Sept. 24-Oct. 23.....	.....	1	
Poland.....				Sept. 23-Dec. 31, 1923: Cases, 947; deaths, 92; recurrent typhus, cases, 67; deaths, 1. Jan. 1-Feb. 2, 1924: Cases, 978; deaths, 78. Recurrent cases, 63. Jan. 6-Feb. 2, 1924: Cases, 341; deaths, 25. Recurrent fever, cases, 18.
Pomerellen.....	Jan. 8-Mar. 25.....	17	4	Locality on Danzig-Polish frontier.
Portugal:				
Oporto.....	Jan. 27-Feb. 2.....	2	.....	
Rumania:				
Kishineff District.....	Nov. 1-Dec. 31.....	15	.....	
Russia:				
Karelian Republic.....	Mar. 12.....	.....	.....	Prevalent.
Novo Cherkask.....	do.....	.....	.....	Do.
Rostov-on-Don.....	do.....	.....	.....	Do.
Saratov.....	Mar. 12.....	.....	.....	Do.
Ukraine.....				Aug. 1-Sept. 30, 1923: Cases, 763; Recurrent typhus: Aug. 10 Sept. 30, 1923: Cases, 2,307. Reported present in various sections, Mar. 12, 1924.
Siberia:				
Vladivostok.....	Feb. 19.....	.....	.....	Present and verging on epidemic prevalence.
Spain:				
Barcelona.....	Nov. 29-Dec. 12.....	.....	2	
Do.....	Jan. 3-Apr. 2.....	.....	6	
Madrid.....	Dec. 1-31.....	.....	7	
Do.....	Jan. 1-31.....	.....	2	
Syria:				
Damascus.....	Jan. 27-Feb. 2.....	1	.....	
Tunis:				
Tunis.....	Feb. 5-11.....	1	.....	
Turkey:				
Constantinople.....	Nov. 11-Dec. 29.....	15	1	Dec. 1-31, 1923: Cases, 41; deaths, 5.
Do.....	Dec. 30-Apr. 5.....	10	.....	
Union of South Africa:				
				Oct. 1-31, 1923: Colored, 287 cases, 58 deaths; white, 2 cases; total, 289 cases, 58 deaths. Jan. 1-Feb. 29, 1924: Cases, 411; deaths, 25 (colored). Among white population, 7 cases. Total cases, 414; deaths, 75.
Cape Province.....				Oct. 1-31, 1923: Colored, cases, 245; deaths, 47.
Do.....				Jan. 1-Feb. 29, 1924: Cases, 168; deaths, 26. Feb. 24-Mar. 17, 1924: Outbreaks.
Natal.....				Oct. 1-31, 1923: Colored, cases, 4; deaths, 3.
Do.....				Jan. 1-Feb. 29, 1924: Cases, 90; deaths, 14. Feb. 24-Mar. 1, 1924: Outbreaks.
Durban.....	Nov. 24-Dec. 1.....	73	.....	Cases occurring among native stevedores in the harbor area of the port and confined to one barracks.

# **CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from December 29, 1923, to May 23, 1924—Continued.**

## **TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Union of South Africa—Contd. Orange Free State.....				Oct. 1-31, 1923: Colored, cases, 25; deaths, 8. Feb. 24-Mar. 1, 1924: Outbreaks.
Do.....				Jan. 1-Feb. 29, 1924: Cases, 59; deaths, 10. Mar. 23-Apr. 5: Outbreaks.
Kroonstad District.....	Jan. 20-26.....			Outbreaks on two farms.
Transvaal.....				Oct. 1-31, 1923: Colored, cases, 13.
Do.....	Oct. 1-Dec. 31.....	3	4	Jan. 1-Feb. 29, 1924: Cases, 90; deaths, 26.
Johannesburg.....	Jan. 6-Mar. 29.....	8		
Do.....	Jan. 20-26.....			Outbreaks on seven farms.
Potschefstroom District.....				
Venezuela:				
Maracaibo.....	Dec. 16-22.....		1	
Do.....	Feb. 17-Mar. 1.....		2	
Yugoslavia:				
Croatia—				
Zagreb.....	Dec. 2-15.....	3		
Do.....	Feb. 17-23.....	1		
Serbia—				
Belgrade.....	Nov. 25-Dec. 1.....	1		
On vessel:				
S. S. Malta Maru.....	Mar. 17.....	1		At Rotterdam, Netherlands, from South America.

## **YELLOW FEVER.**

Brazil:				
Pernambuco City.....	Nov. 16.....	3	2	

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